JVC

# SERVICE MANUAL

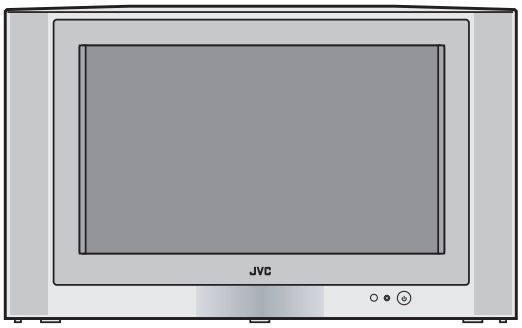
## COLOUR TELEVISION

# AV-32X37SUE, AV-32X37HKE, AV-32X37HIE, AV-32X35HUE, AV-32X35HKE, AV-32H35SUE

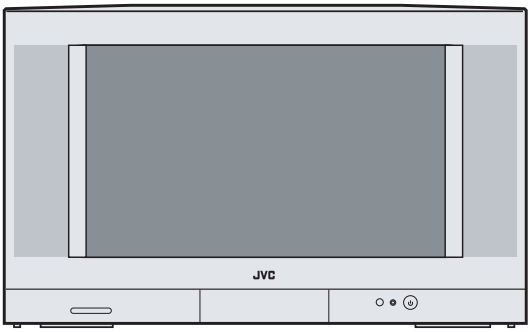
| BASIC CHASSIS |
| --- |
| ML |

InteríArt
Natural Vision
T-V LINK

<RM-C54H>
<RM-C55H>



AV-32X35HUE
AV-32X35HKE
AV-32H35SUE



AV-32X37SUE
AV-32X37HKE
AV-32X37HIE

## TABLE OF CONTENTS

1 PRECAUTIONS . . . . . 1-4
2 SPECIFIC SERVICE INSTRUCTIONS . . . . . 1-6
3 ADJUSTMENT . . . . . 1-14

COPYRIGHT © 2003 VICTOR COMPANY OF JAPAN, LTD.

No.52107
2003/04

# SPECIFICATION

| Item | | Content | | | |
|---|---|---|---|---|---|
| | | **AV-32X35HUE AV-32H35SUE** | **AV-32X37SUE** | **AV-32X35HKE** | **AV-32X37HKE AV-32X37HIE** |
| Dimensions ( W x H x D ) | | 94.8cm x 56.2cm x 54.7cm | 94.8cm x 56.2cm x 55.0cm | 94.8cm x 56.2cm x 54.7cm | 94.8cm x 56.2cm x 55.0cm |
| Mass | | 52.8kg (AV-32X35HUE) 51.8kg (AV-32H35SUE) | 52.5kg | 52.8kg | 52.5kg |
| TV RF System | | CCIR (B/G, D/K, I , L/L') | | CCIR (I) | |
| Colour System | | PAL / SECAM / NTSC (Only in EXT mode) | | PAL | |
| Stereo System | | A2 (B/G, D/K) / NICAM (B/G, I, D/K, L) | | NICAM (I) | |
| Teletext System | | FLOF (Fastext) TOP (German system) WST(World standard system) | | FLOF (Fastext) WST(World standard system) | |
| Receiving Frequency | VHF | 47MHz ~ 470MHz | | Not avairable | Not avairable (AV-32X37HKE) 47MHz ~ 470MHz (AV-32X37HIE) |
| | UHF | 470MHz ~ 862MHz | | | |
| | French CATV | 116MHz ~ 172MHz / 220MHz ~ 469MHz | | -------- | |
| Intermediate Frequency | VIF Carrier | 38.9MHz (B/G, D/K, I , L) / 33.95MHz (L') | | 38.9MHz (I) | |
| | SIF Carrier | 33.4MHz (5.5MHz:B/G) / 32.9MHz (6.0MHz:I) / 32.4MHz (6.5MHz:L, D/K) / 40.45MHz (6.5MHz:L') | | 32.9MHz (6.0MHz:I) | |
| Colour Sub Carrier Frequency | PAL | 4.43MHz | | | |
| | SECAM | 4.40625MHz / 4.25MHz | | -------- | |
| | NTSC | 3.58MHz / 4.43MHz | | 3.58MHz | |
| Power Input | | AC220V ~ AC240V, 50Hz | | | |
| Power Consumption | | 195W(Max) / 130W(Avg), standby : 2.5W | | | |
| Aerial Input Terminal | | 75ohm unbalanced, coaxial | | | |
| Picture Tube | | Visible size : 76cm (Measured diagonally) H : 67.4cm x V : 38.4cm | | | |
| High Voltage | | 31.0kV (+1kV / -1.5kV) (CRT cutoff, FULL mode) | | | |
| Speaker | | 13cm x 6.5cm oval type x 2 | | | |
| Audio Power Output | | 10W + 10W | | | |
| EXT-1 / EXT-2 / EXT-3 (Input / Output) | | 21-pin Euro connector (SCART socket x 3) | | | |
| EXT-4 (Input) | Video | 1V(p-p) 75ohm (RCA pin jack x 1) | | | |
| | Audio (L/R) | 500mV(rms) (-4dBs), High impedance (RCA pin jack x 2) | | | |
| | S-Video | Mini din 4 pin x 1 Y : 1V(p-p) positive (negative sync provided, when terminated with 75ohm ) C : 0.3V(p-p) (Burst signal, when terminated with 75ohm ) | | | |
| AUDIO OUT (Variable) | | 0~1000mV(rms), Low impedance (RCA pin jack x 2) | | | |
| Headphone Jack | | Stereo mini jack (Ø3.5mm) x 1 | | | |
| Remote Control Unit | | RM-C54H (AAA/R03 dry battery x 2) | | RM-C55H (AAA/R03 dry battery x 2) | |

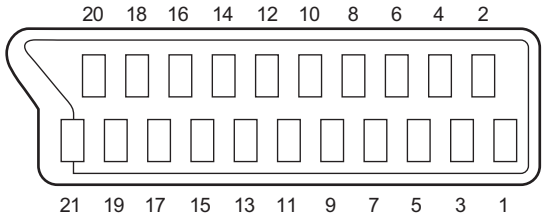
Design & specifications are subject to change without notice.

**21-pin Euro connector (SCART) : EXT-1/EXT-2/EXT-3**

| PinNo. | Signal Designation | Matching Value | EXT-1 | EXT-2 | PinNo. | EXT-3 |
|---|---|---|---|---|---|---|
| 1 | AUDIO R output | 500mV(rms) (Nominal), Low impedance | Used (TV OUT) | Used (LINE OUT) | 22 | NC |
| 2 | AUDIO R input | 500mV(rms) (Nominal), High impedance | Used (R1) | Used (R2) | 23 | Used (R3) |
| 3 | AUDIO L output | 500mV(rms) (Nominal), Low impedance | Used (TV OUT) | Used (LINE OUT) | 24 | Not used |
| 4 | AUDIO GND | | Used | Used | 25 | Used |
| 5 | GND (B) | | Used | Used | 26 | Used |
| 6 | AUDIO L input | 500mV(rms) (Nominal), High impedance | Used (L1) | Used (L2) | 27 | Used (L3) |
| 7 | B input | $700mV_{(B-W)}$, 75 ohm | Used | Used | 28 | Not used |
| 8 | FUNCTION SW (SLOW SW) | Low : 0V-3V, High : 8V-12V, High impedance | Used | Used | 29 | Used |
| 9 | GND (G) | | Used | Used | 30 | Used |
| 10 | SCL / T-V LINK | | Not used | Used (SCL2 / TV-LINK) | 31 | Not used |
| 11 | G input | $700mV_{(B-W)}$, 75 ohm | Used | Used | 32 | Not used |
| 12 | SDA | | Not used | Used(SDA2) | 33 | Not used |
| 13 | GND (R) | | Used | Used | 34 | Used |
| 14 | GND (YS) | | Used | Not used | 35 | Not used |
| 15 | R / C input | R : $700mV_{(B-W)}$, 75 ohm<br>C : $300mV_{(P-P)}$, 75 ohm | Used (R) | Used (C2/R) | 36 | Used (C3) |
| 16 | Ys input (FAST SW) | Low : 0V-0.4V, High : 1V-3V, 75 ohm | Used | Used | 37 | Not used |
| 17 | GND (VIDEO output) | | Used | Used | 38 | Used |
| 18 | GND (VIDEO input) | | Used | Used | 39 | Used |
| 19 | VIDEO output | $1V_{(P-P)}$ (Negative sync), 75 ohm | Used (TV OUT) | Used (LINE OUT) | 40 | Not used |
| 20 | VIDEO / Y input | $1V_{(P-P)}$ (Negative sync), 75 ohm | Used | Used | 41 | Used |
| 21 | COMMON GND | | Used | Used | 42 | Used |

(P-P= Peak to Peak, B-W= Blanking to white peak)

[Pin assignment]



# SECTION 1
# PRECAUTIONS

## 1.1 SAFETY PRECAUTIONS [EXCEPT FOR UK]

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by ( ⚠ ) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : ( ⊥ ) side GND, the ISOLATED (NEUTRAL) : ( ⏚ ) side GND and EARTH : ( ⏚ ) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.).
If above note will not be kept, a fuse or any parts will be broken.

(5) If any repair has been made to the chassis, it is recommended that the B1 setting should be checked or adjusted (See ADJUSTMENT OF B1 POWER SUPPLY).

(6) The high voltage applied to the picture tube must conform with that specified in Service manual. Excessive high voltage can cause an increase in X-Ray emission, arcing and possible component damage, therefore operation under excessive high voltage conditions should be kept to a minimum, or should be prevented. If severe arcing occurs, remove the AC power immediately and determine the cause by visual inspection (incorrect installation, cracked or melted high voltage harness, poor soldering, etc.). To maintain the proper minimum level of soft X-Ray emission, components in the high voltage circuitry including the picture tube must be the exact replacements or alternatives approved by the manufacturer of the complete product.

(7) Do not check high voltage by drawing an arc. Use a high voltage meter or a high voltage probe with a VTVM. Discharge the picture tube before attempting meter connection, by connecting a clip lead to the ground frame and connecting the other end of the lead through a 10kΩ 2W resistor to the anode button.

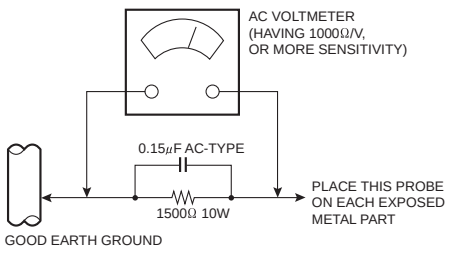
(8) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced.
Always use the manufacturer's replacement components.

(9) **Isolation Check**
**(Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/ audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

**Alternate Check Method**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000 ohms per volt or more sensitivity in the following manner. Connect a 1500 ohm 10W resistor paralleled by a 0.15µF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



## 1.2 SAFETY PRECAUTIONS [FOR UK]

(1) The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessary be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may cause shock, fire, or other hazards.

(4) The leads in the products are routed and dressed with ties, clamps, tubing's, barriers and the like to be separated from live parts, high temperature parts, moving parts and / or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

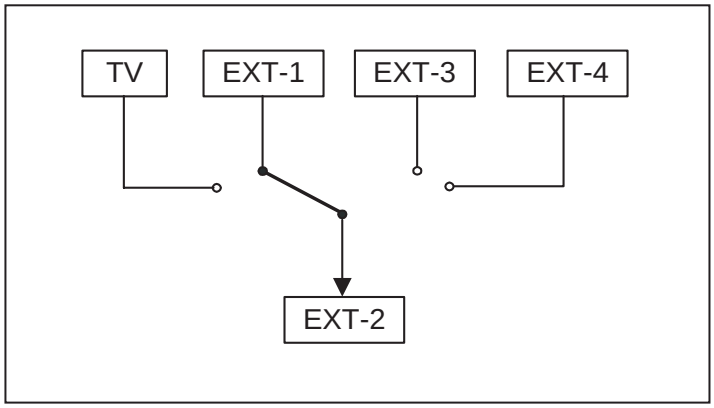
**WARNING**

(1) The equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

# SECTION 2
# SPECIFIC SERVICE INSTRUCTIONS

## 2.1 FEATURES

- New chassis design enable use of an interactive on screen control.
- The TELETEXT SYSTEM has a built-in FASTEXT (UK system), TOP (German system) and WST (world standard system) system.
- Because this TV unit corresponds to multiplex broadcast, users can enjoy music programs and sporting events with live realism. In addition, BILINGUAL programs can be heard in their original language.
- Users can make VCR dubbing of picture and sound by controlling the AV selector to select an optional source at the EXT-2 output shown in figure.




## 2.2 MAIN DIFFERENCE LIST

| ⚠ | Part Name | AV-32X37SUE<br>AV-32X35HUE<br>AV-32H35SUE | AV-32X37HKE<br>AV-32X35HKE | AV-32X37HIE |
|---|---|---|---|---|
| ⚠ | MAIN PWB ASSY | SML-1001A-U2 | SML-1901A-U2 | SML-1001A-U2 |
| ⚠ | MICOM&100Hz PWB ASSY | SML0Z001A-U2<br>SML0Z002A-U2<br>[Only AV-32H35SUE] | SML0Z001A-U2 | SML0Z001A-U2 |
| ⚠ | FRONT CABINET ASSY | LC11563-001A-U [AV-32X37SUE]<br>LC11360-008A-U [AV-32X35HUE]<br>LC11360-007A-U [AV-32H35SUE] | LC11563-002A-U [AV-32X37HKE]<br>LC11315-008A-U [AV-32X35HKE] | LC11563-002A-U |
| ⚠ | REAR COVER | LC11316-001B-U<br>LC11316-001C-U<br>[Only AV-32X35HUE] | LC11316-001B-U | LC11316-001B-U |
| | REMOTE CONTROL UNIT | RM-C54H-1C | RM-C55H-1C | RM-C55H-1C |

## 2.3 DISASSEMBLY PROCEDURE

### 2.3.1 REMOVING THE REAR COVER

(1) Unplug the power cord.
(2) Remove the 13 screws **[A]** as shown in the Fig. 1.
(3) Withdraw the REAR COVER toward you.

### 2.3.2 REMOVING THE SIDE CONTROL JACK ASSEMBLY

- Remove the REAR COVER.
  (1) Remove the 1 screw **[B]** as shown in the Fig.1.
  (2) While slightly raise the SIDE CONTROL JACK ASSY, remove the 2 claws under the SIDE CONTROL JACK ASSY.
  (3) Disconnect the connector **[F]** and **[K]** as shown in Fig. 2.

### 2.3.3 REMOVING THE SIDE CONTROL PWB

- Remove the REAR COVER.
- Remove the SIDE CONTROL JACK ASSY.
  (1) Remove the 3 claws **[C]** from back side of the side control jack assembly as shown in Fig. 2.
  (2) Pull out the SIDE CONTROL PWB.

### 2.3.4 REMOVING THE CHASSIS

- Remove the REAR COVER.
  (1) Slightly raise the both sides of the chassis by hand and remove the 2 claws under the both sides of the CHASSIS from the front cabinet.
  (2) Withdraw the CHASSIS backward.
  (If necessary, take off the wire clamp, connectors etc.)

### 2.3.5 REMOVING THE POWER & DEF. PWB

- Remove the REAR COVER.
- Remove the CHASSIS.
  (1) Remove the 3 screws **[D]** as shown in Fig. 1.
  (2) Remove the POWER & DEF. PWB upper.
  (If necessary, take off the wire clamp, connectors etc.)

### 2.3.6 REMOVING THE SIDE SPEAKER

- Remove the REAR COVER.
  (1) Remove the 2 screws **[E]**, and remove the SPEAKER ADAPTER as shown in Fig. 1.

  **NOTE :**
  When removing the 2 screws **[E]** of the speaker holder remove the lower side screw first, and then remove the upper one.
  (2) Remove the 4 screws **[F]** attaching the SPEAKER.
  (3) Follow the same steps when removing the other hand SPEAKER.

### 2.3.7 REMOVING THE AV TERMINAL BOARD

- Remove the REAR COVER.
  (1) Remove the 3 screws **[G]** as shown in the Fig. 1.
  (2) Remove the 2 claws **[H]** under the CHASSIS as shown in Fig. 3.
  (3) Remove the AV TERMINAL BOARD slightly in the direction of arrow **[I]** as shown in Fig. 3.

### 2.3.8 CHECKING THE PW BOARD

- To check the back side of the PW Board.
  (1) Pull out the CHASSIS. (Refer to REMOVING THE CHASSIS).
  (2) Erect the CHASSIS vertically so that you can easily check the back side of the PW Board.

**CAUTION:**

- When erecting the CHASSIS, be careful so that there will be no contacting with other PW Board.
- Before turning on power, make sure that the wire connector is properly connected.
- When conducting a check with power supplied, be sure to confirm that the CRT EARTH WIRE (BRAIDED ASS'Y) is connected to the CRT SOCKET PW board.

### 2.3.9 WIRE CLAMPING AND CABLE TYING

(1) Be sure to clamp the wire.
(2) Never remove the cable tie used for tying the wires together.
Should it be inadvertently removed, be sure to tie the wires with a new cable tie.

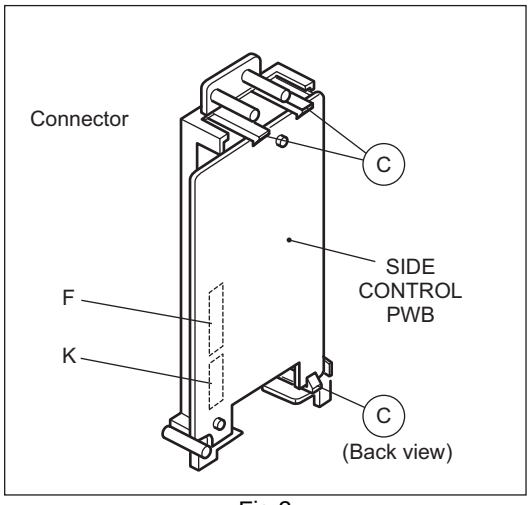



Fig.2

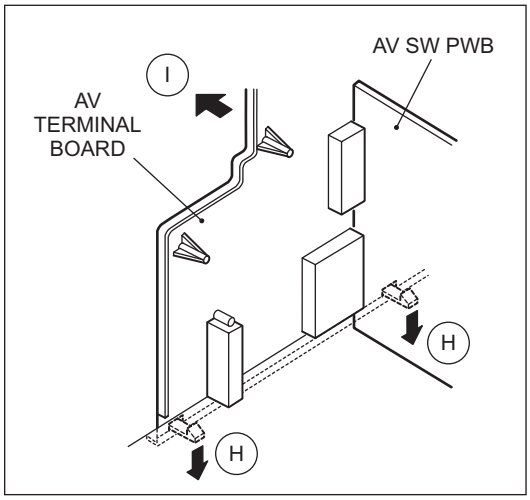
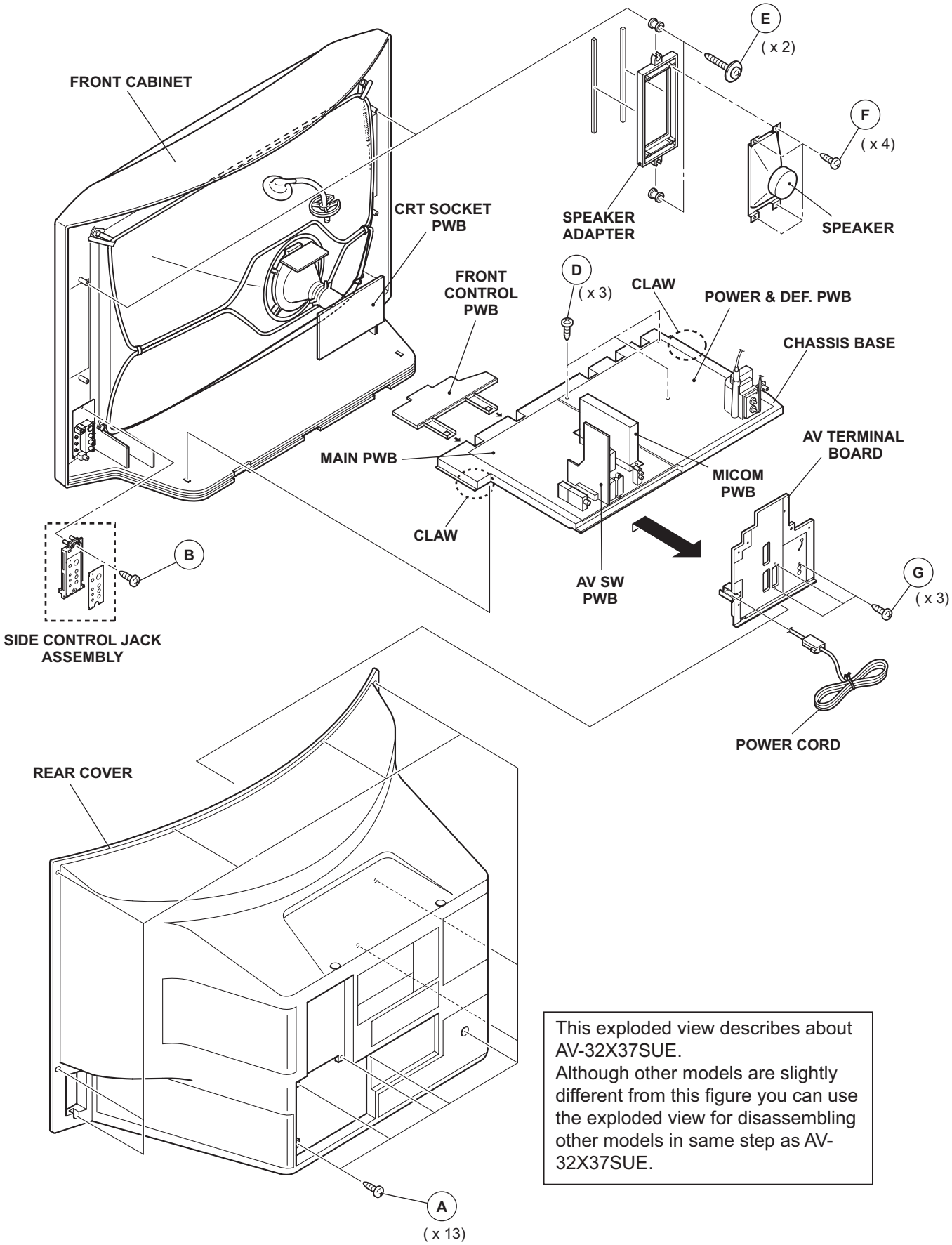



Fig.3




This exploded view describes about AV-32X37SUE.
Although other models are slightly different from this figure you can use the exploded view for disassembling other models in same step as AV-32X37SUE.

Fig.1

### 2.3.10 REMOVING THE CRT

**Note:**

- Replacement of the CRT should be performed by 2 or more persons.
- After removing the REAR COVER, CHASSIS etc.,

(1) Putting the CRT change table on soft cloth, the CRT change table should also be covered with such soft cloth (shown in Fig. 4).

(2) While keeping the surface of CRT down, mount the TV set on the CRT change table balanced will as shown in Fig. 5.

(3) Remove 4 screws marked by arrows with a box type screwdriver as shown in Fig. 5.

**Note:**

Since the cabinet will drop when screws have been removed, be sure to support the cabinet with hands.

(4) After 4 screws have been removed, put the cabinet slowly on cloth (At this time, be carefully so as not to damage the front surface of the cabinet) shown in Fig. 6.

**Note:**

- The CRT should be assembled according to the opposite sequence of its dismounting steps.
- The CRT change table should preferably be smaller that the CRT surface, and its height be about 35cm.

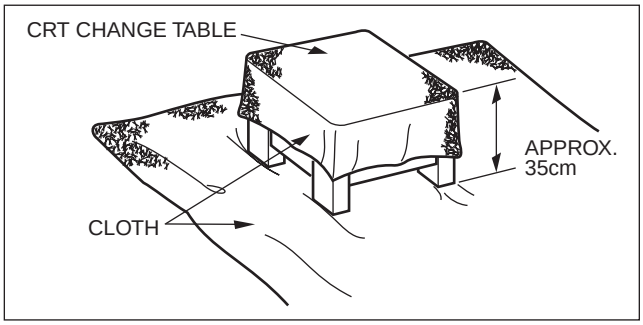



Fig.4

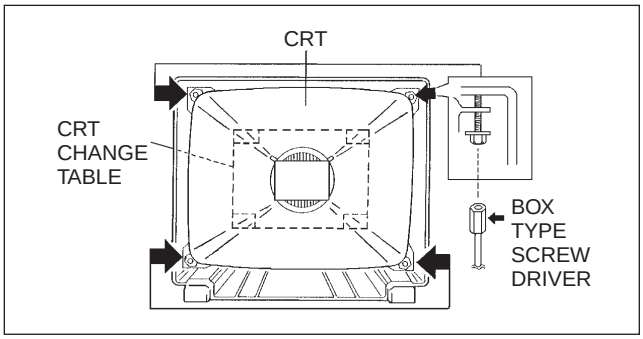



Fig.5

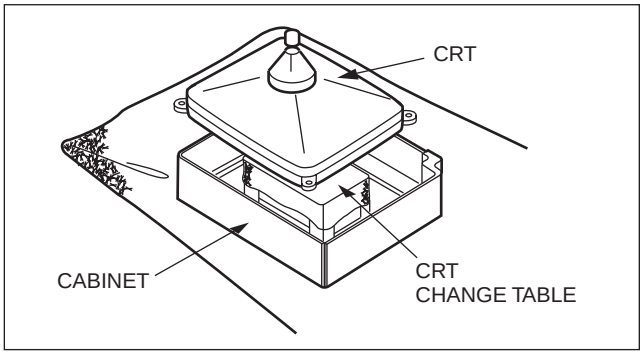



Fig.6

## 2.4 REPLACEMENT OF MEMORY IC

### 2.4.1 MEMORY IC

This TV use memory IC. In the memory IC, there are memorized data for correctly operating the video and deflection circuits. When replacing memory IC, be sure to use IC written with the initial values of data.

### 2.4.2 PROCEDURE FOR REPLACING MEMORY IC

| PROCEDURE |
|---|
| **1. Power off**<br>Switch the power off and unplug the power cord from the outlet |
| **2. Replace IC.**<br>Be sure to use memory IC written with the initial data values. |
| **3. Power on**<br>Plug the power cord into the outlet and switch the power on. |
| **4. Check and set SYSTEM CONSTANT SET:**<br>*** It must not adjust without signal.**<br>(1) Press the [INFORMATION] key and the [MUTING] key of the REMOTE CONTROL UNIT simultaneously.<br>(2) The SERVICE MENU screen of Fig. 1 will be displayed.<br>(3) While the SERVICE MENU is displayed, press the INFORMATION key and [MUTING] key simultaneously, and the SYSTEM CONSTANT SET screen of Fig. 2 will be displayed.<br>(4) Check the setting values of the SYSTEM CONSTANT SET of Table 1. If the value is different, select the setting item with the [FUNCTION UP/DOWN] key, and set the correct value with the [FUNCTION -/+] key.<br>(5) Press the [MENU] key to memorize the setting value.<br>(6) Press the [INFORMATION] key twice, and return to the normal screen. |
| **5. Setting of receive channels**<br>Set the receive channel.<br>For setting, refer to the OPERATING INSTRUCTIONS. |
| **6. User settings**<br>Check the user setting values of Table 2, and if setting value is different, set the correct value.<br>For setting, refer to the OPERATING INSTRUCTIONS. |
| **7. Setting of SERVICE MENU**<br>Verify the setting items of the SERVICE MENU of Table 3, and reset where necessary.<br>For setting, refer to the ADJUSTMENT. |

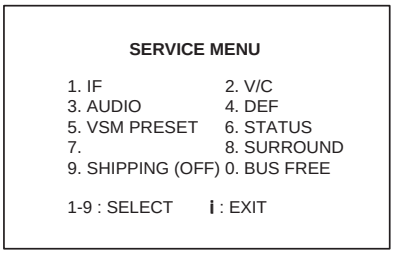



Fig.1

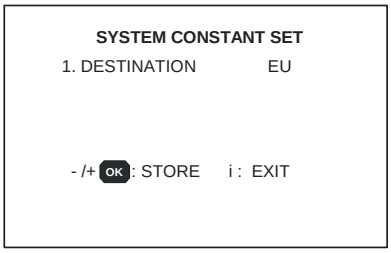



Fig.2

**NAME OF REMOTE CONTROL KEY**

| Names of key | key |
|---|---|
| INFORMATION | |
| MUTING | |
| MENU | |
| FUNCTION UP/DOWN | |
| FUNCTION -/+ | |

### 2.4.3 SETTING VALUES OF SYSTEM CONSTANT SET (TABLE 1)

| Setting item | Setting content | Setting value | | |
|---|---|---|---|---|
| | | **AV-32X37SUE<br>AV-32X35HUE<br>AV-32H35SUE** | **AV-32X37HIE** | **AV-32X37HKE<br>AV-32X35HKE** |
| DESTINATION | EU → EK → EI | EU | EI | EK |
| CRT TYPE | 16:9 → 4:3 | 16:09 | 16:09 | 16:09 |
| PICTURE TILT | NO → YES | YES | YES | YES |
| POWER BASS | NO → YES | YES (X series)<br>NO (H series) | YES | YES |
| SPATIAL SURR | NO → YES | YES (X series)<br>NO (H series) | YES | YES |
| PIC&TEXT | NO → YES | YES (X series)<br>NO (H series) | YES | YES |
| PROGRESSIVE | NO → YES | YES (X series)<br>NO (H series) | YES | YES |

### 2.4.4 USER SETTING VALUES (TABLE 2)

| **PICTURE SETTING** | | **SOUND SETTING** | |
|---|---|---|---|
| PICTURE MODE | BRIGHT | BASS | Center |
| CONTRAST / BRIGHT<br>SHARP / COLOUR / HUE | Refer to VSM PRESET | TREBLE | Center |
| | | BALANCE | Center |
| COLOUR TEMP | NORMAL | HYPER SOUND | OFF |
| **PICTURE FEATURES** | | DIGITAL SURROUND | OFF |
| DIGITAL VNR | AUTO | **3D CINEMA SOUND (Only X series)** | |
| DIGIPURE PRO | AUTO (Only X series) | SURROUND | MEDIUM |
| COLOUR SYSTEM | TV : According to preset CH | BASS BOOST | MEDIUM |
| | EXT : AUTO | **FEATURES** | |
| 4:3 AUTO ASPECT | PANORAMIC | SLEEP TIMER | OFF |
| PICTURE TILT | MIDDLE | BLUE BACK | ON |
| **EXT SETTING** | | DECODER (EXT-2) | OFF |
| ID | BLANK | **INSTALL** | |
| S-IN | BLANK | LANGUAGE | ENGLISH |
| DUBBING | EXT-1 --> EXT-2 | AUTO PROGRAM | TV channel automatically set |
| | | EDIT/MANUAL | PRESET CH only |
| | | | The others : BLANK |

### 2.4.5 SERVICE MENU SETING ITEMS (TABLE 3)

| Setting item | Setting value | Setting item | Setting value | |
|---|---|---|---|---|
| 1. IF | 1. VCO<br>2. ATT ON/OFF | 5. VSM PRESET | BRIGHT/SOFT/STD | COOL/WARM/NOMAL |
| | | | 1.CONT.<br>2.BRIGHT<br>3.SHARP<br>4.COLOUR<br>5.HUE | 1.WDR R<br>2.WDR G<br>3.WDR B |
| 2. V / C | 1.RGB BLK<br>2.CUTOFF R<br>3.CUTOFF G<br>4.CUTOFF B<br>5.WDR R<br>6.WDR G<br>7.WDR B<br>8.BRIGHT<br>9.CONTRAST<br>10.COLOUR<br>11.HUE<br>12.SHARP<br>13.SC ADJ.<br>14.SIDE.P.P<br>15.SIDE.P.W | 6.STATUS<br>**(Do not adjust)** | VPS<br>PDC | |
| 3. AUDIO<br>**(Do not adjust)** | 1.ERR LIMIT<br>2.A2 ID THR<br>3.SYSTEM | 8. SURROUND<br>**(Do not adjust)** | 1.CH CONFIG<br>2.MATRIX<br>3.REPROTECT IO<br>4.CENTER MODE<br>5.SPATIAL EFF<br>6.VIRTUAL EFF<br>7.BASS EFFECT<br>8.HARM<br>9.HPF<br>10.LPF<br>11.AMPLIMIT<br>12.LEVEL ADJ<br>13.SWC<br>14.SW HPF<br>15.VOLUME<br>16.HYPEREFFE<br>17.EFFECT MOD<br>18.HP-GAIN | |
| 4. DEF. | 1.V-SHIFT<br>2.V-SIZE<br>3.H-CENT<br>4.H-SIZE<br>5.TRAPEZ<br>6.EW-PIN<br>7.COR-UP<br>8.COR-LO<br>9.COR-UP-S<br>10.COR-LO-S<br>11.ANGLE<br>12.BOW<br>13.V-S.CR<br>14.V-LIN | 9.SHIPPING<br>**(Do not adjust)** | ON/OFF | |

## 2.5 REPLACEMENT OF CHIP COMPONENT

### 2.5.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

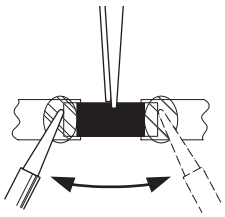
### 2.5.2 SOLDERING IRON

(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

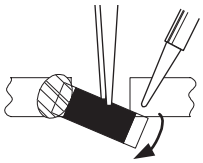
### 2.5.3 REPLACEMENT STEPS

**1. How to remove Chip parts**
**[Resistors, capacitors, etc.]**

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.

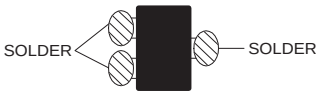


(2) Shift with the tweezers and remove the chip part.

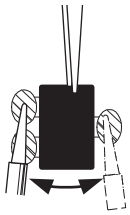


**[Transistors, diodes, variable resistors, etc.]**

(1) Apply extra solder to each lead.



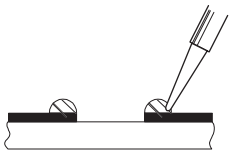

(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.



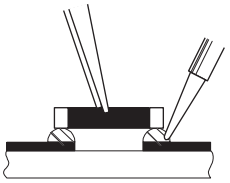
**Note :**
After removing the part, remove remaining solder from the pattern.

**2. How to install Chip parts**
**[Resistors, capacitors, etc.]**

(1) Apply solder to the pattern as indicated in the figure.

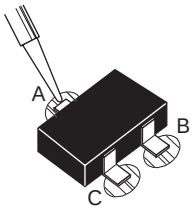


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

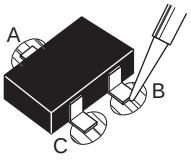


**[Transistors, diodes, variable resistors, etc.]**

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.




(4) Then solder leads **B** and **C**.



# SECTION 3
# ADJUSTMENT

## 3.1 ADJUSTMENT PREPARATION

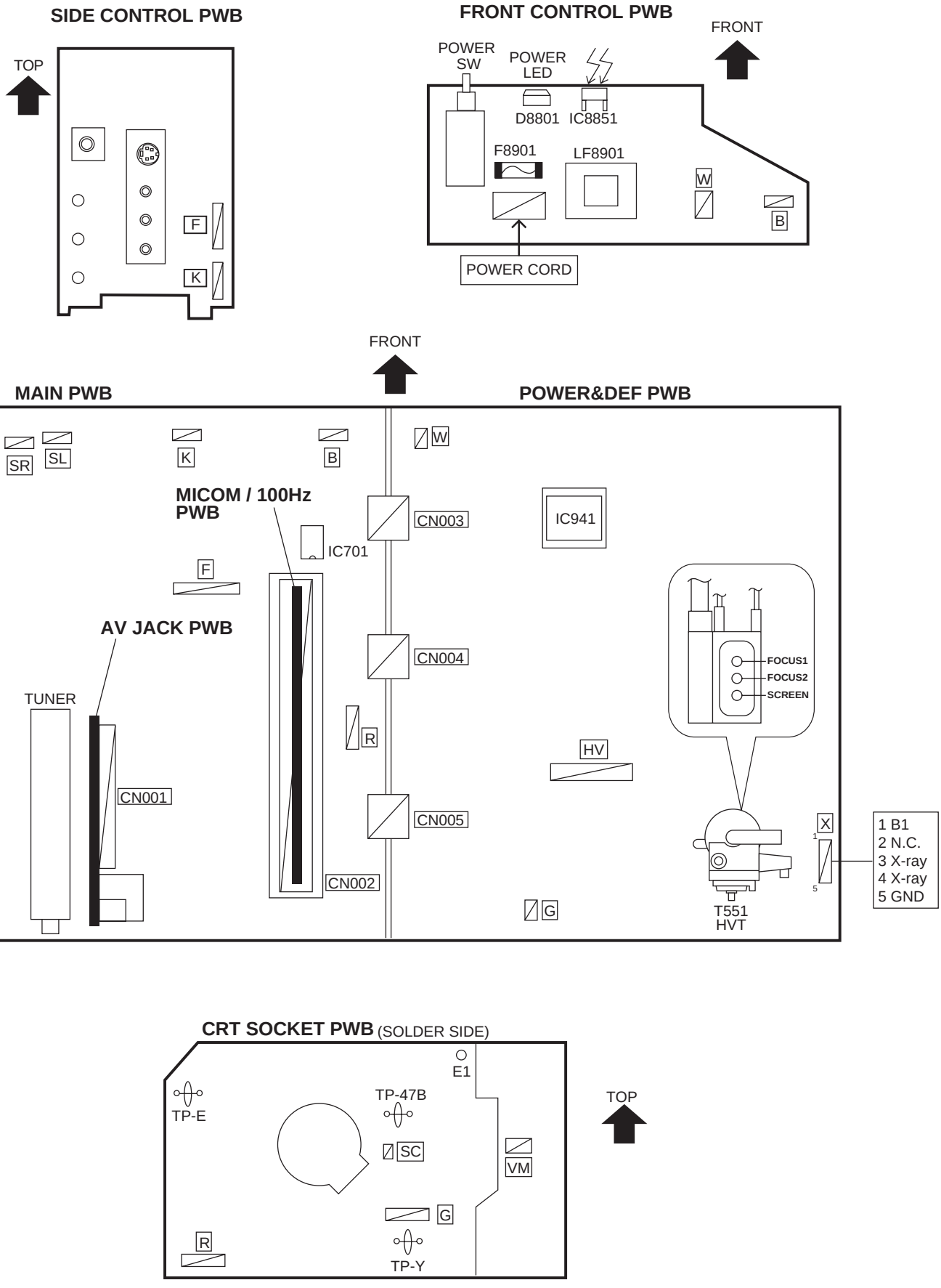
(1) There are 2 ways of adjusting this TV : One is with the REMOTE CONTROL UNIT and the other is the conventional method using adjustment parts and components.
(2) The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
(3) Make sure that connection is correctly made AC to AC power source.
(4) Turn on the power of the TV and measuring instruments for warning up for at least 30 minutes before starting adjustments.
(5) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
(6) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.
(7) Preparation for adjustment. Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

| Item | Preset value |
|---|---|
| PICTURE MODE (VSM) | NORMAL |
| SLEEP TIMER | OFF |
| TONE BALANCE | Center |
| ZOOM | FULL |

## 3.2 MEASURING INSTRUMENT AND FIXTURES

(1) DC voltmeter (or digital voltmeter)
(2) Oscilloscope
(3) Signal generator (Pattern generator : PAL / SECAM / NTSC)
(4) Remote control unit

### 3.3 ADJUSTMENT LOCATIONS



## 3.4 BASIC OPERATION OF SERVICE MENU

### 3.4.1 TOOL OF SERVICE MENU OPERATION

Operate the SERVICE MENU with the REMOTE CONTROL UNIT.

### 3.4.2 SERVICE MENU ITEMS

With the SERVICE MENU, various adjustments can be made, and they are broadly classified in the following items of settings.

| | |
|---|---|
| 1.IF | This mode adjusts the setting values of the IF circuit. |
| 2.V/C | This mode adjusts the setting values of the VIDEO / CHROMA circuit. |
| 3.AUDIO | This mode adjusts the setting values of the multiplicity SOUND circuit. |
| 4.DEF | This mode adjusts the setting values of the DEFLECTION circuit for each aspect mode given below. |
| 5.VSM PRESET | This mode adjusts the initial setting values of COOL, NORMAL and WARM. (VSM : Video Status Memory) |

### 3.4.3 BASIC OPERATION IN SERVICE MENU

**(1) HOW TO ENTER SERVICE MENU**

Press the [INFORMATION] key and the [MUTING] key of the REMOTE CONTROL UNIT simultaneously, and the SERVICE MENU screen of Fig.1 will be displayed.

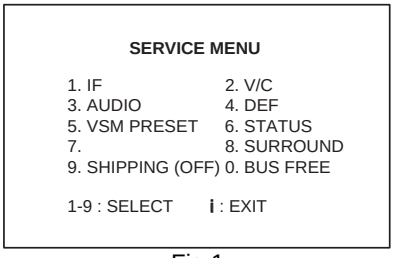



Fig.1

**(2) SELECTION OF SUB MENU SCREEN**

Press one of [1] - [5] keys of the REMOTE CONTROL UNIT and select the SUB MENU SCREEN (See Fig. 3), form the SERVICE MENU.

SERVICE MENU → SUB MENU

**1. IF**
**2. V / C**
**3. AUDIO**
**4. DEF.**
**5. VSM PRESET**
**6. STATUS**
**7.**
**8. SURROUND**
**9. SHIPPING (OFF)**
**0. BUS FREE**

*** : Do not adjust**

**NAME OF REMOTE CONTROL KEY**

| Names of key | Key |
|---|---|
| INFORMATION | |
| MUTING | |
| MENU | |
| FUNCTION UP/DOWN | |
| FUNCTION -/+ | |

Fig.2

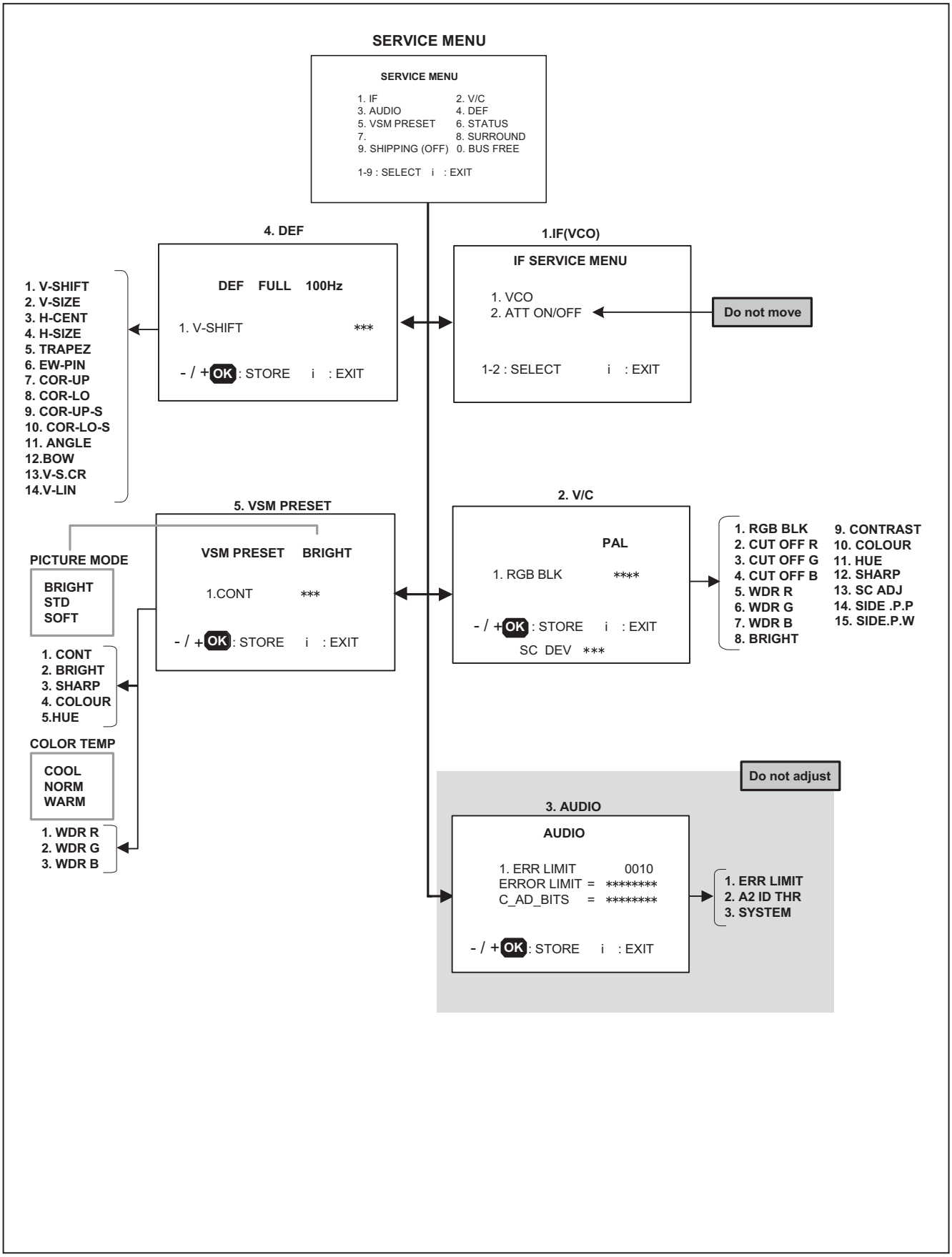



Fig.3 SUB MENU SCREEN

**(3) METHOD OF SETTING**

**1) METHOD OF SETTING 1.IF**

[1.VCO] : It must not adjust without signal.

| Key | Function |
|---|---|
| (a) [1] | Select 1.IF |
| (b) [1] | Select 1.VCO (CW)<br>Make sure that the arrow position between the ABOVE REF and BELOW REF. |
| (c) [INFORMATION] | Return to the SERVICE MENU screen. |

**2) METHOD OF SETTING 2.V/C, 4.DEF AND 5.VSM PRESET.**

| Key | Function |
|---|---|
| (a) [2~5] | Select one from 2.V/C, 3.AUDIO, 4.DEF and 5.VSM PRESET. |
| (b) [FUNCTION UP / DOWN ( ▲/▼ )] | Select setting items. |
| (c) [FUNCTION -/+ ( ◀/▶ )] | Set (adjust) the setting values of the setting items. |
| (d) [OK] | Memorize the setting value.<br>(Before storing the setting values in memory, do not press the CH, TV, POWER ON / OFF key if you do, the values will not be stored in memory.) |
| (e) [INFORMATION] | Return to the SERVICE MENU screen. |

**Do not setting 3.AUDIO, 6.STATUS, 8.SURROUND, 9.SHIPPING (OFF) and 0.BUS FREE.**

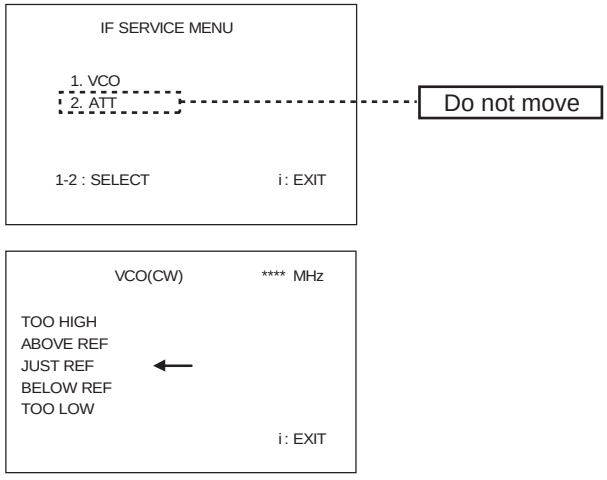
**(4) RELEASE OF SERVICE MENU**

After completing the setting, return to the SERVICE MENU, then again press the [INFORMATION] key.

## 3.5 ADJUSTMENTS PROCEDURE

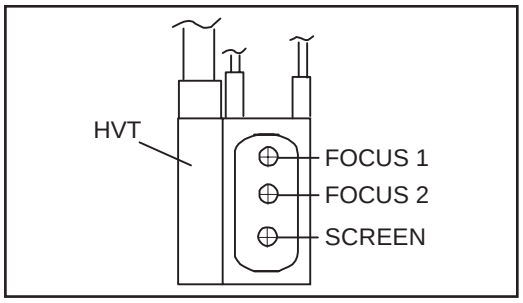
### 3.5.1 CHECK ITEM

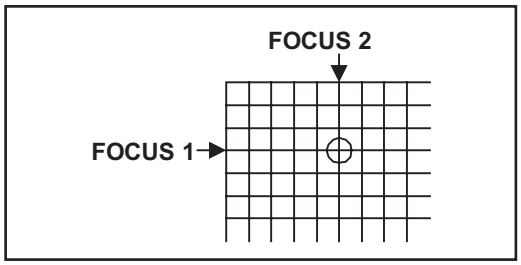
| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **B1 POWER SUPPLY check** | Signal generator<br><br>DC voltmeter<br><br>Remote control unit | X connector TP-91(B1) TP-E(⏚) [POWER DEF PWB] | [2.V/C] 1.RGB BLK | (1) Receive a any broadcast.<br>(2) Select the FULL mode.<br>(3) Select 2. V/C from the SERVICE MENU.<br>(4) Select 1. RGB BLK.<br>(5) Press the [FUNCTION + ( ▶ )] key to find the cut off screen (Black screen).<br>(6) Connect a DC voltmeter to TP-91(B1) and TP-E(⏚).<br>(7) Make sure that the voltage is DC139.9 ±2.0V.<br>(8) Press the [FUNCTION - ( ◀ )] key to return to service menu. |
| **HIGH VOLTAGE check** | Signal generator<br><br>HV voltmeter<br><br>Remote control unit | CRT anode<br><br>Chassis GND | [2.V/C] 1.RGB BLK | (1) Receive a any broadcast.<br>(2) Select the FULL mode.<br>(3) Select 2. V/C from the SERVICE MENU.<br>(4) Select 1. RGB BLK.<br>(5) Press the [FUNCTION + ( ▶ )] key to find the cut off screen (Black screen).<br>(6) Connect a HV voltmeter to CRT ANODE and chassis GND.<br>(7) Make sure that the voltage is DC 31.0kV (+1kV / -1.5kV).<br>(8) Press the [FUNCTION - ( ◀ )] key to return to service menu. |
| **IF VCO check** | Remote control unit | | [1.IF] 1.VCO | • Under normal conditions, no adjustment is required.<br>• It must not adjust without broadcast signal.<br>(1) Select 1.IF from the SERVICE MENU.<br>(2) Then select 1.VCO from the 1.IF.<br>(3) Receive any broadcast.<br>(4) Check the arrow (<--) position between the ABOVE REF. and BELOW REF. |



### 3.5.2 FOCUS ADJUSTMENT

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **FOCUS adjustment** | Signal generator | | FOCUS 1 VR (Horizontal line)<br>FOCUS 2 VR (Vertical line)<br>[In HVT] | (1) Receive a cross-hatch signal.<br>(2) Select the FULL mode.<br>(3) By turn the FOCUS 2 VR, adjust the picture so that the part of circle mark on the vertical line may become thinnest.<br>(4) Turn the FOCUS1 VR so that the third horizontal line from the top of the cross hatch screen has equal thickness in the center of the screen and around the center.<br>(5) Make sure that when the screen is darkened, the lines remain in good focus. |




### 3.5.3 VSM PRESET SETTING

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **VSM PRESET setting** | Remote control unit | | [5.VSM PRESET] (BRIGHT/SOFT/STD)<br>1. CONT.<br>2. BRIGHT<br>3. SHARP<br>4. COLOUR<br>5. HUE<br>(COOL/WARM/ NOMAL)<br>1. WDR R<br>2. WDR G<br>3. WDR B | (1) Select STD(standard) of PICTURE MODE with the [MENU] key.<br>(2) Select 5.VSM PRESET.<br>(3) Adjust the [FUNCTION UP/DOWN] and [-/+] key to bring the set values of 1.CONT to 5. HUE to the values shown in the table.<br>(4) Press the [MENU] key and memorize the set value.<br>(5) Respectively select BRIGHT or SOFT of PICTURE MODE, and make similar adjustment as in 3 above.<br>(6) Press the [MENU] key and memorize the set value.<br>(7) Select COOL of COLOUR TEMP with the [MENU] key.<br>(8) Select 5.VSM PRESET.<br>(9) Adjust the [FUNCTION UP/DOWN] and [-/+] key to bring the set values of 1.WDR R to 3. WDR B to the values shown in the table.<br>(10) Press the [MENU] key and memorize the set value.<br>(11) Respectively select NORMAL or WARM of PICTURE MODE, and make similar adjustment as in 9 above.<br>(12) Press the [MENU] key and memorize the set value.<br><br>* Refer to OPERATING INSTRUCTIONS for the PICTURE MODE. |

**VSM PRESET setting item**

| | 1.CONT. | 2.BRIGHT | 3.SHARP | 4.COLOUR | 5.HUE |
|---|---|---|---|---|---|
| BRIGHT | +7 | 0 | 0 | 0 | 0 |
| SOFT | -3 | 0 | -2 | 0 | 0 |
| STANDARD | 0 | 0 | 0 | 0 | 0 |

| | 1.WDR R | 2.WDR G | 3.WDR B |
|---|---|---|---|
| COOL | -15 | -9 | 0 |
| WARM | +4 | 0 | 0 |
| NORMAL | 0 | 0 | 0 |

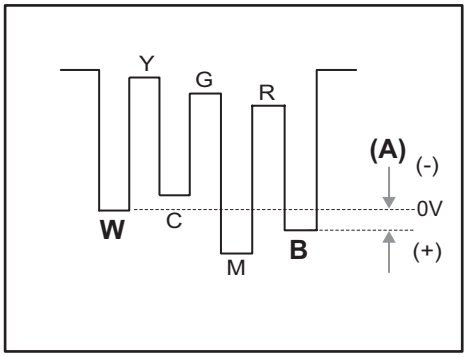
### 3.5.4 VIDEO CIRCUIT ADJUSTMENT

The setting (adjustment) using the REMOTE CONTROL UNIT is made on the basis of the initial setting values.
The setting values which adjust the screen to the optimum condition can be different from the initial setting values.

| Setting item (Adjustment item) | | | Initial setting value | | |
|---|---|---|---|---|---|
| **2. V/C** | | | **PAL** | **SECAM** | **NTSC** |
| 1.RGB BLK | | | --- (OFF) | --- (OFF) | --- (OFF) |
| 2.CUTOFF R | | | 100 | 100 | 100 |
| 3.CUTOFF G | | | 132 | 132 | 132 |
| 4.CUTOFF B | | | 124 | 124 | 124 |
| 5.WDR R | | | 165 | 165 | 165 |
| 6.WDR G | | | 135 | 135 | 135 |
| 7.WDR B **(Do not move)** | | | 150 | 150 | 150 |
| 8.BRIGHT | | | -30 | -30 | -30 |
| 9.CONTRAST | | | 40 | 40 | 40 |
| 10.COLOUR | | | 36 | 31 | 25 : NTSC 3.58 |
| | | | | | 0 : NTSC 4.43 |
| 11.HUE | | | --- | --- | 2 : NTSC 3.58 |
| | | | | | 0 : NTSC 4.43 |
| 12.SHARP **(Do not move)** | | TV | -2 | -2 | -2 |
| | | EXT | 0 | 0 | 0 |
| 13.SC ADJ. **(Do not move)** | | | 18 | --- | --- |
| 14.SIDE .P.P **(Do not move)** | REGULAR | AV-32X37SUE AV-32X37HKE AV-32X37HIE AV-32X35HUE AV-32X35HKE | 330 | 330 | 326 |
| | | AV-32H35SUE | 322 | 322 | 328 |
| | 14:9 ZOOM | AV-32X37SUE AV-32X37HKE AV-32X37HIE AV-32X35HUE AV-32X35HKE | 291 | 291 | 284 |
| | | AV-32H35SUE | 284 | 284 | 290 |
| 15.SIDE .P.W **(Do not move)** | REGULAR | AV-32X37SUE AV-32X37HKE AV-32X37HIE AV-32X35HUE AV-32X35HKE | 1104 | 1104 | 1106 |
| | | AV-32H35SUE | 1096 | 1096 | 1108 |
| | 14:9 ZOOM | AV-32X37SUE AV-32X37HKE AV-32X37HIE AV-32X35HUE AV-32X35HKE | 1144 | 1144 | 1140 |
| | | AV-32H35SUE | 1137 | 1137 | 1150 |

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **WHITE BALANCE adjustment** | Signal generator<br><br>Remote control unit | | [2. V/C]<br>2.CUTOFF R<br>3.CUTOFF G<br>4.CUTOFF B<br>5.WDR R<br>6.WDR G<br>7.WDR B<br>(Do not move) | • Set the PICTURE MODE to NORMAL.<br>(1) Receive a black and white signal (colour off).<br>(2) Select 2.V/C.<br>(3) Each select 2.CUTOFF R, 3.CUTOFF G, 4.CUTOFF B and adjust the screen until the black portion in the screen becomes black.<br>(4) Each select 5.WDR R, 6.WDR G and adjust the screen until the white portion in the screen becomes white.<br>**NOTE:**<br>Do not adjust 7. WDR B<br>(5) Press the [MENU] key and memorize the set value.<br>(6) Change the contrast and brightness from low-light to high-light and check that the tracking of the white balance is good. |
| **SUB BRIGHT adjustment** | Remote control unit | | [2. V/C]<br>8. BRIGHT | (1) Receive any broadcast.<br>(2) Select 2.V/C.<br>(3) Select 8.BRIGHT.<br>(4) Set the initial setting value.<br>(5) If the brightness is not the best with the initial setting value, make fine adjustment until you get the best brightness.<br>(6) Press the [MENU] key and memorize the set value. |
| **SUB CONTRAST adjustment** | Remote control unit | | [2. V/C]<br>9. CONT. | (1) Receive any broadcast.<br>(2) Select 2.V/C.<br>(3) Select 9.CONT.<br>(4) Set the initial setting value.<br>(5) If the contrast is not the best with the initial setting value, make fine adjustment until you get the best contrast.<br>(6) Press the [MENU] key and memorize the set value. |
| **SUB COLOUR I adjustment** | Remote control unit | | [2.V/C]<br>10.COLOUR<br>(PAL/SECAM/NTSC) | **[Method of adjustment without measuring instrument]**<br>**PAL COLOUR:**<br>(1) Receive PAL broadcast.<br>(2) Select 2.V/C.<br>(3) Select 10.COLOUR.<br>(4) Set the initial setting value for PAL COLOUR.<br>(5) If the colour is not the best with the initial set value, make fine adjustment until you get the best colour.<br>(6) Press the [MENU] key and memorize the set value.<br>**SECAM COLOUR:**<br>(1) Receive a SECAM broadcast.<br>(2) Make fine adjustment of SECAM COLOUR in the same manner as for above.<br>**NTSC 3.58 COLOUR:**<br>(1) Input a NTSC 3.58MHz COMPOSITE VIDEO signal from the EXT terminal.<br>(2) Make similar fine adjustment of NTSC 3.58 COLOUR in the same manner as for above.<br>**NTSC 4.43 COLOUR:**<br>(1) When NTSC 3.58 COLOUR set, NTSC 4.43 COLOUR will automatically set. |

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **SUB COLOUR II adjustment** | Signal generator<br><br>Oscilloscope<br><br>Remote control unit | TP-47B<br>TP-E(⏚)<br>[CRT SOCKET PWB ] | [2.V/C]<br>10.COLOUR<br>(PAL/SECAM/NTSC) | **[Method of adjustment using measuring instrument]**<br>**PAL COLOUR:**<br>(1) Receive a PAL full field colour bar signal (75% white).<br>(2) Select 2.V/C.<br>(3) Select 10.COLOUR.<br>(4) Set the initial setting value of PAL COLOUR.<br>(5) Connect the oscilloscope between TP-47B and TP-E(⏚).<br>(6) Adjust PAL COLOUR and bring the value of (A) in the illustration to the values as shown given billow (Voltage difference between white (W) and blue (B)).<br>(7) Press the [MENU] key and memorize the setting value.<br>**SECAM COLOUR:**<br>(1) Receive a SECAM full field colour bar signal (75% white).<br>(2) Set the initial setting value of SECAM COLOUR.<br>(3) Adjust SECAM COLOUR and bring the value of (A) in the illustration to the values as shown given billow (Voltage difference between white (W) and blue (B)).<br>(4) Press the [MENU] key and memorize the setting value.<br>**NTSC 3.58 COLOUR:**<br>(1) Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal.<br>(2) Set the initial setting value of NTSC 3.58 COLOUR.<br>(3) Adjust NTSC 3.58 COLOUR and bring the value of (A) in the illustration to the values as shown given billow (Voltage difference between white (W) and blue (B)).<br>(4) Press the [MENU] key and memorize the setting value.<br>**NTSC 4.43 COLOUR:**<br>(1) When NTSC 3.58 COLOUR set, NTSC 4.43 COLOUR will automatically set. |




**[PAL COLOUR VOLTAGE SETTING]**

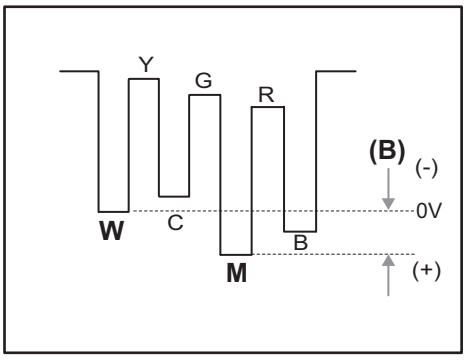
| | AV-32X37SUE<br>AV-32X37HKE<br>AV-32X37HIE<br>AV-32X35HUE<br>AV-32X35HKE | AV-32H35SUE |
|---|---|---|
| VOLTAGE (W-B) | +11V | +3V |

**[SECAM COLOUR VOLTAGE SETTING]**

| | AV-32X37SUE<br>AV-32X37HKE<br>AV-32X37HIE<br>AV-32X35HUE<br>AV-32X35HKE | AV-32H35SUE |
|---|---|---|
| VOLTAGE (W-B) | +6V | +10V |

**[NTSC COLOUR VOLTAGE SETTING]**

| | All model |
|---|---|
| VOLTAGE (W-B) | +1V |

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>SUB HUE I adjustment</td><td>Remote control unit</td><td></td><td>[2.V/C]<br>11.HUE</td><td rowspan="2">[Method of adjustment without measuring instrument]<br>NTSC 3.58 HUE:<br>(1) Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal.<br>(2) Select 2.V/C.<br>(3) Select 11. HUE.<br>(4) Set the initial setting value of NTSC 3.58 HUE.<br>(5) If you cannot get the best hue with the initial setting value, make fine adjustment until you get the best hue.<br>(6) Press the [MENU] key and memorize the set value.<br>NTSC 4.43 HUE:<br>(1) When NTSC 3.58 is set, NTSC 4.43 will be automatically set at the respective values.</td></tr>
<tr><td>SUB HUE II adjustment</td><td>Signal generator<br><br>Oscilloscope<br><br>Remote control unit</td><td>TP-47B<br>TP-E(⏚)<br>[CRT SOCKET PWB]</td><td>[2.V/C]<br>11.HUE</td></tr>
<tr><td colspan="4"> 

[VOLTAGE SETTING]
<table>
<tr><th></th><th>AV-32X37SUE<br>AV-32X37HKE<br>AV-32X37HIE<br>AV-32X35HUE<br>AV-32X35HKE</th><th>AV-32H35SUE</th></tr>
<tr><td>VOLTAGE (W-M)</td><td>-10V</td><td>-10V</td></tr>
</table></td><td>[Method of adjustment using measuring instrument]<br>NTSC 3.58 HUE:<br>(1) Input a NTSC 3.58MHz COMPOSITE VIDEO signal (full field colour bar with 75% white) from the EXT terminal.<br>(2) Select 2.V/C.<br>(3) Select 11. HUE.<br>(4) Set the initial setting value of NTSC 3.58 HUE.<br>(5) Connect the oscilloscope between TP-47B and TP-E(⏚)<br>(6) Adjust NTSC 3.58 HUE to bring the value of (B) in the illustration to the values as shown given billow (voltage difference between white (W) and magenta (M)).<br>(7) Press the [MENU] key and memorize the setting value.<br>NTSC 4.43 HUE:<br>(1) When NTSC 3.58 COLOUR set, NTSC 4.43 COLOUR will automatically set.</td></tr>
</table>

### 3.5.5 DEFLECTION CIRCUIT ADJUSTMENT

There are 4 aspect modes ( 1.FULL, 2.PANORAMIC, 3.SUBTITLE, 4.COMPRES) of the adjustment.
Depending upon the kind of signals ( Vertical frequency 100Hzi / 60Hzp: AV-32X37SUE / AV-32X37HKE / AV-32X37HIE / AV-32X35HUE / AV-32X35HKE, 100Hzi / 120Hzi: AV-32H35SUE).
100Hzi is a signal that is output to a screen when a 50Hz signal is input to a television set. It is an interlace-scanned picture of 100Hz.
60Hz p is a signal that is output to a screen when a 60Hz signal is input to a television set. It is a progressive-scanned picture of 60Hz. (X series only)
120Hz i is a signal that is output to a screen when a 60Hz signal is input to a television. It is an interlace-scanned picture of 120Hz. (H series only)

- When the 100Hz FULL mode has been established, the setting of other modes will be done automatically. However, if the picture quality has not been optimized, adjust each mode again, respectively.
- The adjustment using the remote control unit is made on the basis of the initial setting values.
- The setting values which adjust the screen to the optimum condition can be different from the initial setting values.
- To switch aspect modes, use the ZOOM key of the remote controller.

**Initial setting value [AV-32X37SUE/AV-32X37HKE/AV-32X37HIE/AV-32X35HUE/AV-32X35HKE]** **Mark [ ] : Fixed value**

| Setting item | Adjustment name | Initial setting value | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | FULL | | PANORAMIC | | SUBTITLE | | COMPRESS | |
| | | 100Hzi | 60Hzp | 100Hzi | 60Hzp | 100Hzi | 60Hzp | [100Hzi] | [60Hzp] |
| 1. V-SHIFT | Vertical center | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | [0000] | [0000] |
| 2. V-SIZE | Vertical height | -033 | 0000 | 0000 | 0000 | 0000 | 0000 | [-040] | [0000] |
| 3. H-CENT | Horizontal center | -014 | 0000 | 0000 | 0000 | 0000 | 0000 | [0000] | [0000] |
| 4. H-SIZE | Horizontal width | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | [0000] | [0000] |
| 5. TRAPEZ | Trapezoidal distortion correction | -005 | 0000 | 0000 | 0000 | 0000 | 0000 | [0000] | [0000] |
| 6. EW-PIN | Side pin correction | -035 | 0000 | 0000 | 0000 | 0000 | 0000 | [0000] | [0000] |
| 7. COR-UP | Corner Pin correction Up side | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | [0000] | [0000] |
| 8. COR-LO | Corner Pin correction Low side | -005 | 0000 | 0000 | 0000 | 0000 | 0000 | [0000] | [0000] |
| 9. COR-UP-S | Corner pin correction UP | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | [0000] | [0000] |
| 10. COR-LO-S | Corner pin correction LOW | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | [0000] | [0000] |
| 11.ANGLE | Angle correction | 002 | 0000 | 0000 | 0000 | 0000 | 0000 | [0000] | [0000] |
| 12.BOW | Bow-shaped distortion correction | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | [0000] | [0000] |
| 13.V-S.CR (Do not adjust) | Vertical height correction | [0003] | [0000] | [0005] | [0000] | [0000] | [0000] | [0000] | [0000] |
| 14.V-LIN (Do not adjust) | Vertical Linearity | -007 | 0000 | [-004] | [0000] | [0000] | [0000] | [0000] | [0000] |

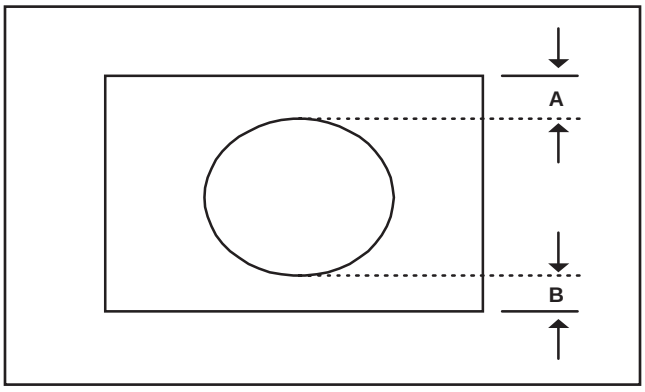
**Initial setting value [AV-32H35SUE]** **Mark [ ] : Fixed value**

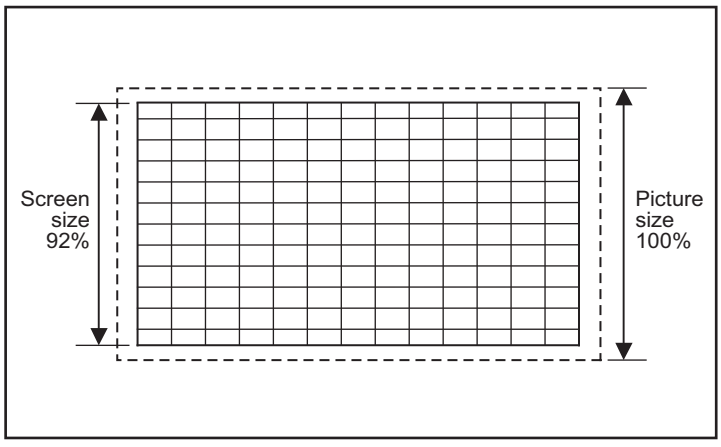
| Setting item | Adjustment name | Initial setting value | | | | | |
|---|---|---|---|---|---|---|---|
| | | FULL | | PANORAMIC | | SUBTITLE | |
| | | 100Hzi | 120Hzi | 100Hzi | 120Hzi | 100Hzi | 120Hzi |
| 1. V-SHIFT | Vertical center | 0000 | 0000 | 0000 | 0005 | +005 | 0000 |
| 2. V-SIZE | Vertical height | -033 | 0000 | 0005 | 0000 | 0017 | 0000 |
| 3. H-CENT | Horizontal center | -014 | 0000 | 0000 | 0000 | 0000 | 0000 |
| 4. H-SIZE | Horizontal width | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| 5. TRAPEZ | Trapezoidal distortion correction | -011 | 0000 | 0000 | 0000 | 0000 | 0000 |
| 6. EW-PIN | Side pin correction | -035 | 0000 | 0000 | 0000 | 0000 | 0000 |
| 7. COR-UP | Corner Pin correction Up side | 0000 | 0000 | 0000 | 0000 | 0000 | -008 |
| 8. COR-LO | Corner Pin correction Low side | 0000 | 0000 | 0000 | 0000 | +010 | 0000 |
| 9. COR-UP-S | Corner pin correction UP | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| 10. COR-LO-S | Corner pin correction LOW | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| 11.ANGLE | Angle correction | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| 12.BOW | Bow-shaped distortion correction | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |
| 13.V-S.CR (Do not adjust) | Vertical height correction | [0003] | [0000] | [0005] | [0000] | [0008] | [0000] |
| 14.V-LIN (Do not adjust) | Vertical Linearity | 0000 | 0000 | [-004] | [0000] | [-008] | [0000] |

**NOTE :**

- Do not adjust PANORAMIC & SUBTITLE mode.
- At first the adjustment in 50Hz FULL mode should be done, then the data for the other aspect mode is corrected in the respective value at the same time. And confirm the deflection adjustment initial setting value in 60Hz (NTSC EXT mode) FULL mode. If the adjustment in 50Hz each aspect mode has been done and stored, the data for the same aspect modes in 60Hz is corrected in the respective value. Only the data for the other aspect mode in 60Hz is corrected for itself.

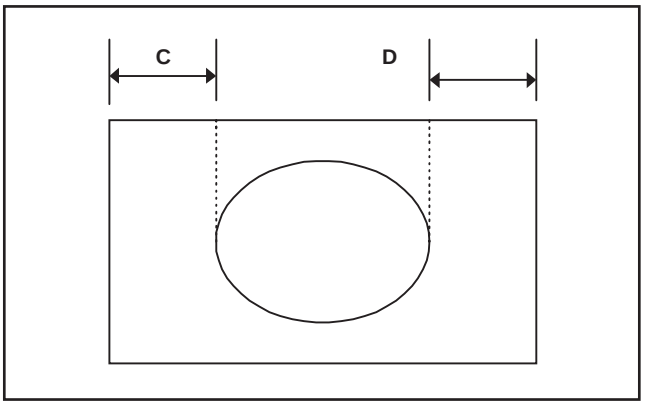
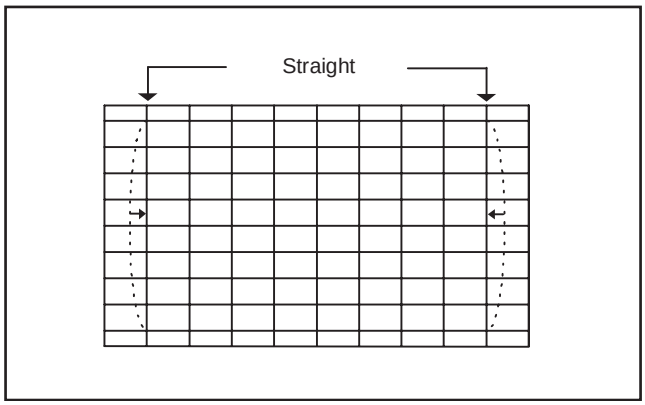
| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **V.POSITION adjustment** | Signal generator<br><br>Remote control unit | | [4.DEF]<br>1.V- SHIFT | • Set the FULL mode.<br>(1) Receive a circle pattern signal of vertical frequency 50Hz.<br>(2) Select 4.DEF.<br>(3) Select 1.V-SHIFT.<br>(4) Adjust vertical position to make A = B.<br>(5) Check the adjustment value above in other zoom mode. If it is a wrong adjustment, re-adjust in FULL mode and adjust by 1.V-SHIFT.<br>(6) Press the [MENU] key and memorize the set value. |
| **V.SIZE adjustment** | Signal generator<br><br>Remote control unit | | [4.DEF]<br>2.V-SIZE | • Set the FULL mode.<br>(1) Receive a cross-hatch signal.<br>(2) Select 2.V-SIZE and set the initial setting value.<br>(3) Adjust to make sure that the vertical screen size of the picture size is in the bellow table.<br>(4) Make sure that the vertical screen size of the each ASPECT mode is in the below table.<br>(5) Press the [MENU] key and memorize the set value.<br>(6) Input a NTSC VIDEO signal (60Hz) from the EXT terminal, and make sure that the vertical screen size is in the table below.<br>(7) Press the [MENU] key and memorize the set value. |

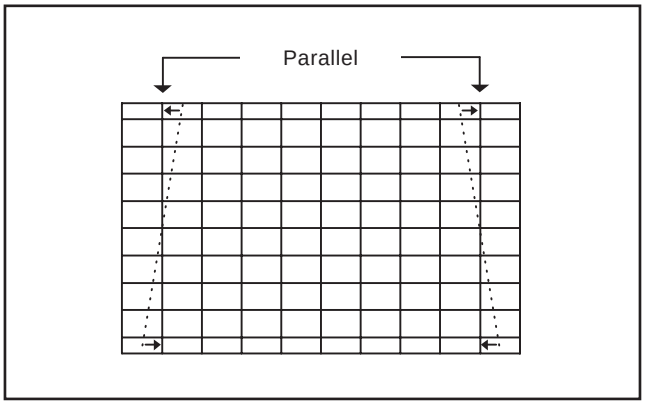
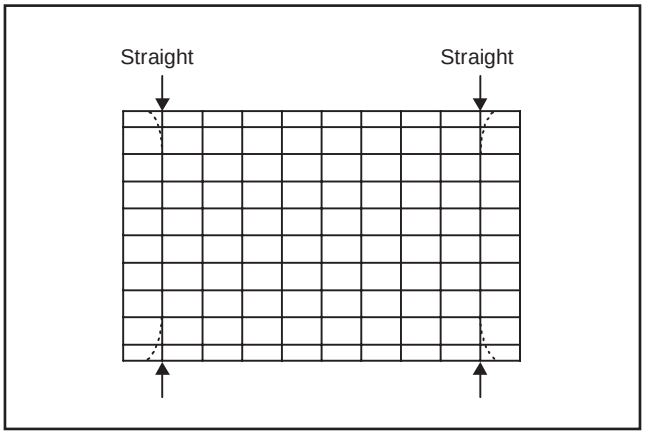
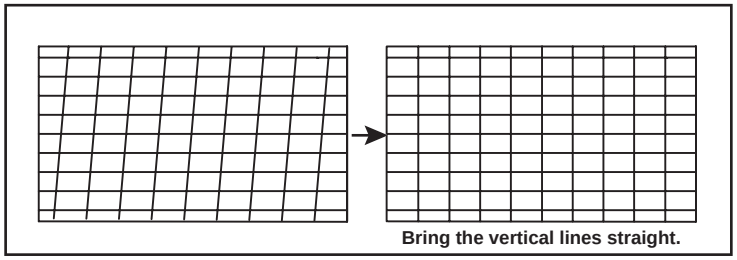


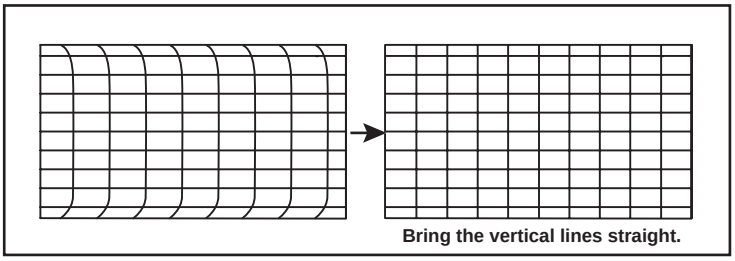
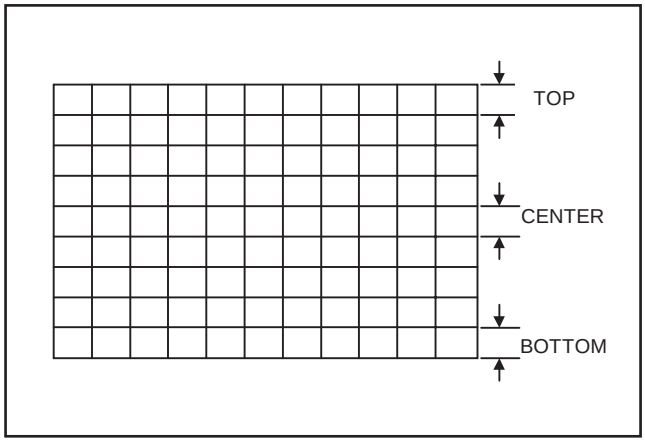




**[SCREEN SIZE]**

| ASPECT MODE | FULL | PANORAMIC | SUBTITLE |
|---|---|---|---|
| SCREEN TOP | 92% | 87% | 70% |
| SCREEN BOTTOM | 92% | 87% | 83% |

<table>
<tr><th>Item</th><th>Measuring instrument</th><th>Test point</th><th>Adjustment part</th><th>Description</th></tr>
<tr><td>H. POSITION adjustment</td><td>Signal generator<br><br>Remote control unit</td><td></td><td>[4.DEF]<br>3.H-CENT</td><td rowspan="2">• Set the FULL mode.<br>(1) Receive a circle pattern signal.<br>(2) Select 3.H-CENT and set the initial setting value.<br>(3) Adjust horizontal position to make C=D.<br>(4) Press the [MENU] key and memorize the set value.</td></tr>
<tr><td colspan="4"> 
</td></tr>
<tr><td>H.SIZE adjustment</td><td>Signal generator<br><br>Remote control unit</td><td></td><td>[4.DEF]<br>4.H-SIZE</td><td rowspan="2">• Set the FULL mode.<br>(1) Receive a circle pattern signal.<br>(2) Select 4.H-SIZE and set the initial setting value.<br>(3) Adjust to make sure that the horizontal screen size of the picture size is in the bellow table.<br>(4) Make sure that the horizontal screen size of the each ASPECT mode is in the below table.<br>(5) Press the [MENU] key and memorize the set value.<br>(6) Input a NTSC VIDEO signal (60Hz) from the EXT terminal, and make sure that the horizontal screen size of the each ASPECT mode is in the below table.<br>(7) Press the [MENU] key and memorize the set value.</td></tr>
<tr><td colspan="4">[SCREEN SIZE]
<table>
<tr><th>ASPECT MODE</th><th>FULL</th><th>PANORAMIC</th><th>SUBTITLE</th></tr>
<tr><td>H SIZE</td><td>92%</td><td>95%</td><td>92%</td></tr>
</table></td></tr>
<tr><td>SIDE-PIN adjustment</td><td>Signal generator<br><br>Remote control unit</td><td></td><td>[4.DEF]<br>6.EW-PIN</td><td rowspan="2">• Set the FULL mode.<br>(1) Select 6.EW-PIN and set the initial setting value.<br>(2) Adjust to make the 2nd vertical lines at the left and right edges of the screen straight. Also make sure that the 3rd vertical lines are straight.<br>(3) Press the [MENU] key and memorize the set value.</td></tr>
<tr><td colspan="4"> 
</td></tr>
</table>

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **TRAPEZIUM adjustment** | Signal generator<br><br>Remote control unit | | [4.DEF]<br>5.TRAPEZ | • Set the FULL mode.<br>(1) Receive a cross-hatch signal.<br>(2) Select 5.TRAPEZ.<br>(3) Set the initial setting value of 5.TRAPEZ.<br>(4) Adjust to bring the vertical lines at the right and left edges of the screen parallel.<br>(5) Press the [MENU] key and memorize the set value. |
|  | | | | |
| **CORNER adjustment** | Signal generator<br><br>Remote control unit | | [4.DEF]<br>7.COR-UP<br>8.COR-LO<br>9.COR-UP-S<br>10.COR-LO-S | • Set the FULL mode.<br>(1) Select 7.COR-UP.<br>(2) Set the initial setting value of 7.COR.-UP.<br>(3) Adjust to bring the straight line at the upper corner.<br>(4) Select 8.COR-LO.<br>(5) Set the initial setting value of 8.COR-LO.<br>(6) Adjust to bring the straight line at the low corner.<br>(7) Press the [MENU] key and memorize the set value.<br>(8) If the extreame upper & lower corners are a little pin or barrel chose 9.COR-UP-S or 10. COR-LO-S and adjust.<br>(9) Press the [MENU] key and memorize the set value. |
|  | | | | |
| **ANGLE adjustment** | Signal generator<br><br>Remote control unit | | [4.DEF]<br>11. ANGLE | • In case where there is a parallelogrammical distortion of images on the screen.<br>• Set the FULL mode.<br>(1) Select 11.ANGLE.<br>(2) Adjust to bring the vertical lines straight.<br>(3) Press the [MENU] key and memorize the set value. |
|  | | | | |

| Item | Measuring instrument | Test point | Adjustment part | Description |
|---|---|---|---|---|
| **BOW adjustment** | Signal generator<br><br>Remote control unit | | [4.DEF]<br>12.BOW | • In case where there is a bow-shaped distortion of images on the screen.<br>• Set the FULL mode.<br>(1) Select 12.BOW.<br>(2) Adjust to bring the vertical lines straight.<br>(3) Press the [MENU] key and memorize the set value. |
|  | | | | |
| **V.S-SHAPE CORRECTION & V.LINEARITY adjustment** | Signal generator<br><br>Remote control unit | | [4.DEF]<br>13.V-S.CR<br>14.V-LIN | • When the vertical linearity has been deteriorated remarkably, perform the following steps.<br>• Set the FULL mode.<br>(1) Receive a cross-hatch signal.<br>(2) Select 14.V-LIN.<br>(3) Set the initial setting value of 14.V-LIN.<br>(4) Select 13.V-S.COR.<br>(5) Set the initial setting value of 13.V-S.COR.<br>• Adjust 14.V-LIN and 13.V-S.COR so that the spaces of each line on top, center and bottom become uniform. |
|  | | | | |

### 3.5.6 AUDIO CIRCUIT ADJUSTMENT

• Do not touch **3. AUDIO** adjustment of the SERVICE MENU as it requires no adjustment.
If values had changed for the some reason, set the initial values in the following table.

**3. AUDIO (Do not adjust)**

| Setting item | Variable range | Fixed value |
|---|---|---|
| 1. ERR LIMIT | 000H~FF0H | 0010 |
| 2. A2 ID THR | 00H~FFH | 0019 |
| 3. SYSTEM | 0000H~7FFFH | --- |

AV-32X37SUE AV-32X37HKE
AV-32X37HIE AV-32X35HUE
AV-32X35HKE AV-32H35SUE

JVC

**VICTOR COMPANY OF JAPAN, LIMITED**
AV & MULTIMEDIA COMPANY DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.52107)

Printed in Japan
200304WPC

# PARTS LIST

## CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P. W. Board Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

| RESISTORS | |
|---|---|
| CR | Carbon Resistor |
| FR | Fusible Resistor |
| PR | Plate Resistor |
| VR | Variable Resistor |
| HV R | High Voltage Resistor |
| MF R | Metal Film Resistor |
| MG R | Metal Glazed Resistor |
| MP R | Metal Plate Resistor |
| OM R | Metal Oxide Film Resistor |
| CMF R | Coating Metal Film Resistor |
| UNF R | Non-Flammable Resistor |
| CH V R | Chip Variable Resistor |
| CH MG R | Chip Metal Glazed Resistor |
| COMP. R | Composition Resistor |
| LPTC R | Linear Positive Temperature Coefficient Resistor |

| CAPACITORS | |
|---|---|
| C CAP. | Ceramic Capacitor |
| E CAP. | Electrolytic Capacitor |
| M CAP. | Mylar Capacitor |
| CH CAP. | Chip Capacitor |
| HV CAP. | High Voltage Capacitor |
| MF CAP. | Metalized Film Capacitor |
| MM CAP. | Metalized Mylar Capacitor |
| MP CAP. | Metalized Polystyrol Capacitor |
| PP CAP. | Polypropylene Capacitor |
| PS CAP. | Polystyrol Capacitor |
| TF CAP. | Thin Film Capacitor |
| MPP CAP. | Metalized Polypropylene Capacitor |
| TAN. CAP. | Tantalum Capacitor |
| CH C CAP. | Chip Ceramic Capacitor |
| BP E CAP. | Bi-Polar Electrolytic Capacitor |
| CH AL E CAP. | Chip Aluminum Electrolytic Capacitor |
| CH AL BP CAP. | Chip Aluminum Bi-Polar Capacitor |
| CH TAN. E CAP. | Chip Tantalum Electrolytic Capacitor |
| CH AL BP E CAP. | Chip Tantalum Bi-Polar Electrolytic Capacitor |

| RESISTORS | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| F | G | J | K | M | N | R | H | Z | P |
| ±1% | ±2% | ±5% | ±10% | ±20% | ±30% | +30%<br>-10% | +50%<br>-10% | +80%<br>-20% | +100%<br>-0% |

# CONTENTS

**USING P.W. BOARD & REMOTE CONTROL UNIT ..... 3-2**
**EXPLODED VIEW PARTS LIST -1 ..... 3-3**
**EXPLODED VIEW -1 ..... 3-3**
**EXPLODED VIEW PARTS LIST -2 ..... 3-4**
**EXPLODED VIEW -2 ..... 3-5**
**PRINTED WIRING BOARD PARTS LIST ..... 3-6**
[AV-32H35SUE / AV-32X35HUE / AV-32X37HIE / AV-32X37SUE]
MAIN PW BOARD ASS'Y (SML-1001A-U2) ..... 3-6
[AV-32X35HKE / AV-32X37HKE]
MAIN PW BOARD ASS'Y (SML-1901A-U2) ..... 3-8
POWER & DEF PW BOARD ASS'Y (SML-2001A-U2) ..... 3-11
CRT SOCKET PW BOARD ASS'Y (SML-3001A-U2) ..... 3-12
FRONT CONTROL PW BOARD ASS'Y (SML-8001A-U2) ..... 3-13
SIDE CONTROL PW BOARD ASS'Y (SML-8101A-U2) ..... 3-13
AV JACK PW BOARD ASS'Y (SML0J001A-U2) ..... 3-14
100HZ PW BOARD ASS'Y (SML0Z001A-U2) ..... 3-14
**REMOTE CONTROL UNIT PARTS LIST (RM-C54H-1C) ..... 3-16**
**REMOTE CONTROL UNIT PARTS LIST (RM-C55H-1C) ..... 3-16**
**PACKING ..... 3-17**
**PACKING PARTS LIST ..... 3-17**

# USING P.W. BOARD & REMOTE CONTROL UNIT

**[AV-32X35HKE / AV-32H35SUE / AV-32X35HUE]**

| P.W.B ASS'Y | AV-32X37SUE | AV-32X37HKE | AV-32X35HKE |
|---|---|---|---|
| MAIN PWB | SML-1001A-U2 | SML-1901A-U2 | ← |
| POWER & DEF PWB | SML-2001A-U2 | ← | ← |
| 100Hz PWB | SML0Z001A-U2 | ← | ← |
| CRT SOCKET PWB | SML-3001A-U2 | ← | ← |
| FRONT CONTROL PWB | SML-8001A-U2 | ← | ← |
| SIDE CONTROL PWB | SML-8101A-U2 | ← | ← |
| AV JACK PWB | SML0J001A-U2 | ← | ← |
| REMOTE CONTROL UNIT | RM-C54H-1C | RM-C55H-1C | ← |

**[AV-32X37HKE / AV-32X37SUE / AV-32X37HIE]**

| P.W.B ASS'Y | AV-32X37HIE | AV-32H35SUE | AV-32X35HUE |
|---|---|---|---|
| MAIN PWB | SML-1001A-U2 | ← | ← |
| POWER & DEF PWB | SML-2001A-U2 | ← | ← |
| 100Hz PWB | SML0Z001A-U2 | SML0Z002A-U2 | ← |
| CRT SOCKET PWB | SML-3001A-U2 | ← | ← |
| FRONT CONTROL PWB | SML-8001A-U2 | ← | ← |
| SIDE CONTROL PWB | SML-8101A-U2 | ← | ← |
| AV JACK PWB | SML0J001A-U2 | ← | ← |
| REMOTE CONTROL UNIT | RM-C55H-1C | RM-C54H-1C | ← |

# EXPLODED VIEW PARTS LIST -1

### [AV-32X35HKE / AV-32H35SUE / AV-32X35HUE]

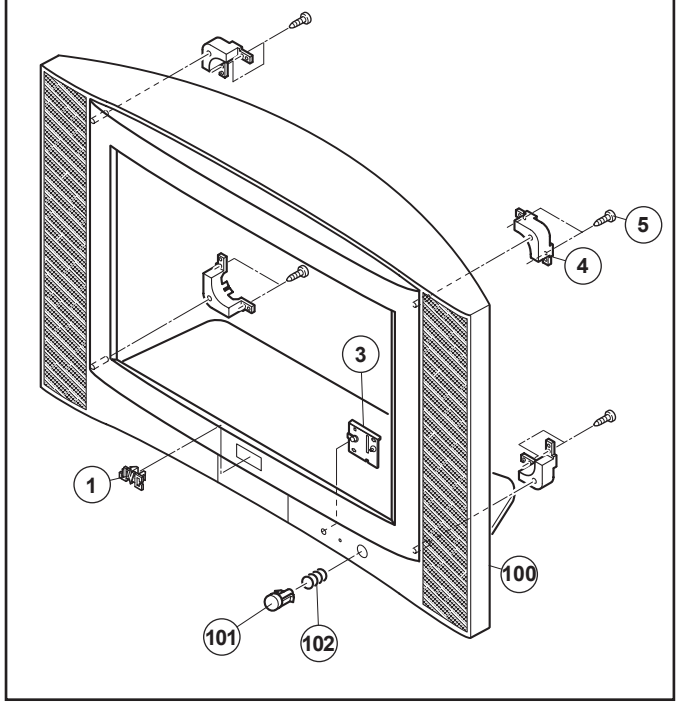
| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | 1 | LC41250-002C-C | JVC MARK | | 32H35SUE |
| | 1 | LC41250-001C-C | JVC MARK | | 32X35HKE / 32X35HUE |
| | 3 | LC31851-001B-C | WINDOW | | |
| | 4 | LC20508-001D-U | ADAPTER | (x4) | |
| | 5 | QYSBSAG4016N | TAP SCREW | 4.0mm x 16mm(x8) | |
| ⚠ | 100 | LC11360-007A-U | F CABI ASSY | IIncluded 101, 102 | 32H35SUE |
| ⚠ | 100 | LC11360-008A-U | F CABI ASSY | IIncluded 101, 102 | 32X35HKE / 32X35HUE |
| ⚠ | 101 | LC31201-003A-U | POWER KNOB | | |
| | 102 | AEM3149-001-E | SPRING | | |

### [AV-32X37HKE / AV-32X37SUE / AV-32X37HIE]

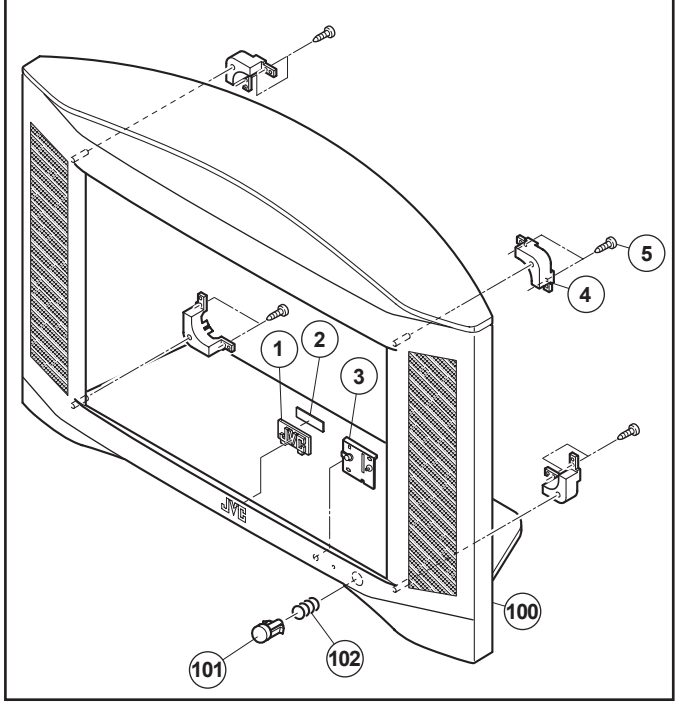
| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | 1 | LC41522-002 | JVC MARK | | 32X37SUE |
| | 1 | LC41522-001B | JVC MARK | | 32X37HKE / 32X37HIE |
| | 2 | LC41578-001A-C | MARK SPACER | | |
| | 3 | LC32229-001B-C | WINDOW | | |
| | 4 | LC20508-001D-U | ADAPTER | (x4) | |
| | 5 | QYSBSAG4016N | TAP SCREW | 4.0mm x 16mm(x8) | |
| ⚠ | 100 | LC11563-002A-U | F CABI ASSY | IIncluded 101, 102 | 32X37HIE / 32X37HKE |
| ⚠ | 100 | LC11563-001A-U | F CABI ASSY | IIncluded 101, 102 | 32X37SUE |
| ⚠ | 101 | LC31201-003A-U | POWER KNOB | | |
| | 102 | AEM3149-001-E | SPRING | | |

# EXPLODED VIEW -1

**AV-32X35HKE / AV-32H35SUE / AV-32X35HUE**



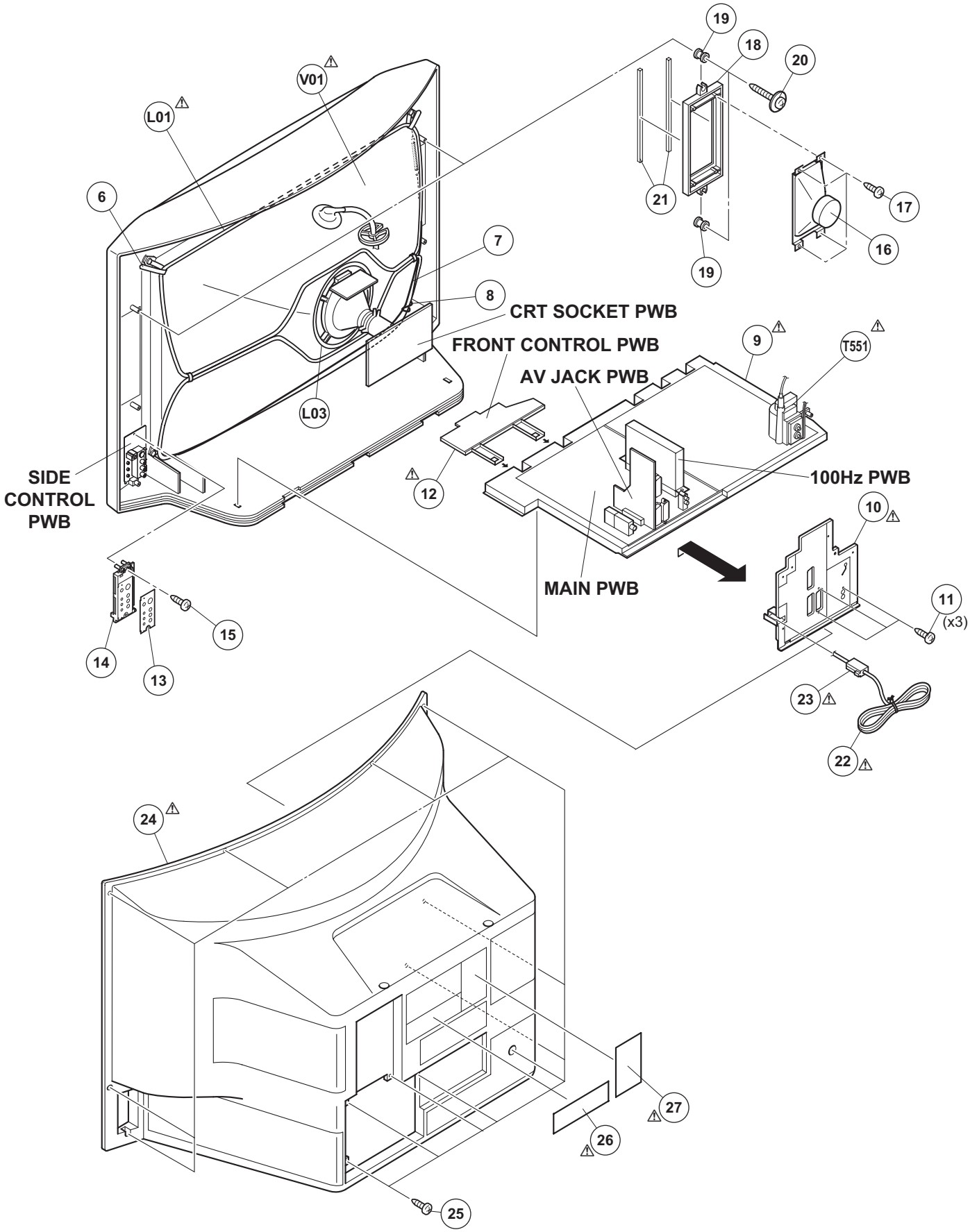

**AV-32X37HKE / AV-32X37SUE / AV-32X37HIE**



# EXPLODED VIEW PARTS LIST -2

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| ⚠ | V01 | W76ERF042X044 | ITC | Included def.yoke, PC magnet | |
| ⚠ | L01 | QQW0154-001 | DEG COIL | | |
| | L03 | QQW0130-001 | DEG COIL | | |
| ⚠ | T551 | QQH0156-001 | FB TRANSF | | |
| | 6 | LC30628-002A | DEG CLAMP | (x4) | |
| | 7 | WJY0021-002A | E-BRAIDED ASSY | | |
| | 8 | WJY0013-002A | E-BRAIDED ASSY | | |
| ⚠ | 9 | LC10716-002H-U | CHASSIS BASE | | |
| ⚠ | 10 | LC11561-001A-U | AV BOARD | | |
| | 11 | QYSBSF3012M | TAP SCREW | 3mm x 12mm(x3) | |
| ⚠ | 12 | LC11311-002A-U | CONTROL BASE | | |
| | 13 | LC31205-002A-U | CONTROL SHEET | | |
| | 14 | LC10856-002A-U | SIDE CONT BASE | | |
| | 15 | QYSBSAG4016N | TAP SCREW | 4.0mm x 16mm | |
| | 16 | QAS0135-001 | SPEAKER | SP01,02(x2) | 32X35HUE / 32H35SUE |
| | 16 | QAS0128-001 | SPEAKER | SP01,02(x2) | 32X35HKE / 32X37HIE / 32X37HKE / 32X37SUE |
| | 17 | QYSBSAG4016N | TAP SCREW | 4.0mm x 16mm(x8) | |
| | 18 | LC11310-001B-U | SPEAKER ADAPTER | (x2) | |
| | 19 | LC40226-003A-H | SPACER | (x4) | |
| | 20 | CM42937-006 | ASSY SCREW | (x4) | |
| | 21 | AEM4111-001A-U | SPONGE | (x4) | |
| ⚠ | 22 | QMPN130-185-JC | POWER CORD(EU) | 1.85m BLACK | 32X35HKE / 32X37HIE / 32X37HKE |
| ⚠ | 22 | QMPK160-185-JC | POWER CORD(EU) | 1.85m BLACK | 32H35SUE / 32X35HUE / 32X37SUE |
| ⚠ | 23 | CM46618-A01-E | POWER CORD CLMP | | |
| ⚠ | 24 | LC11316-002B-U | REAR COVER | | |
| | 25 | QYSBSAG4016N | TAP SCREW | 4.0mm x 16mm(x8) | |
| ⚠ | 26 | LC11583-004A-U | RATING LABEL | | 32H35SUE |
| ⚠ | 26 | LC11364-029A-U | RATING LABEL | | 32X35HKE |
| ⚠ | 26 | LC11548-010A-U | RATING LABEL | | 32X35HUE |
| ⚠ | 26 | LC11364-027A-U | RATING LABEL | | 32X37HIE |
| ⚠ | 26 | LC11364-025A-U | RATING LABEL | | 32X37HKE |
| ⚠ | 26 | LC11583-003A-U | RATING LABEL | | 32X37SUE |
| ⚠ | 27 | LC30789-002B-U | WARNING LABEL | | 32H35SUE / 32X35HUE / 32X37SUE ONLY |

# EXPLODED VIEW -2



# PRINTED WIRING BOARD PARTS LIST

## [AV-32H35SUE / AV-32X35HUE / AV-32X37HIE / AV-32X37SUE]
## MAIN PW BOARD ASS'Y (SML-1001A-U2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| IC101 | MSP3413G-QA-B3 | IC | |
| IC201 | CXA2089Q-X | IC | |
| IC501 | BA10324AF-XE | IC | |
| IC551 | LA6515 | IC | |
| IC601 | BA4558F-X | IC | |
| IC651 | AN5277 | IC | |
| IC701 | AT24LC-28X37SUE | IC | (SERVICE) |
| IC901 | AN78L08-T | IC | |
| IC902 | MM1565AF-X | IC | |
| Q001 | 2SD601A/QR/-X | TRANSISTOR | |
| Q002 | 2SD601A/QR/-X | TRANSISTOR | |
| Q101 | UN2213-X | DIGI TRANSISTOR | |
| Q201 | 2SD601A/QR/-X | TRANSISTOR | |
| Q202 | 2SD601A/QR/-X | TRANSISTOR | |
| Q203 | 2SD601A/QR/-X | TRANSISTOR | |
| Q204 | 2SD601A/QR/-X | TRANSISTOR | |
| Q205 | 2SD601A/QR/-X | TRANSISTOR | |
| Q206 | 2SD601A/QR/-X | TRANSISTOR | |
| Q207 | DTC323TK-X | DIGI TRANSISTOR | |
| Q208 | 2SD601A/QR/-X | TRANSISTOR | |
| Q209 | 2SD601A/QR/-X | TRANSISTOR | |
| Q210 | 2SB709A/QR/-X | TRANSISTOR | |
| Q211 | DTC323TK-X | DIGI TRANSISTOR | |
| Q212 | 2SB709A/QR/-X | TRANSISTOR | |
| Q213 | DTC323TK-X | DIGI TRANSISTOR | |
| Q214 | DTC323TK-X | DIGI TRANSISTOR | |
| Q215 | 2SA933AS/QR/-T | TRANSISTOR | |
| Q216 | 2SD601A/QR/-X | TRANSISTOR | |
| Q217 | 2SC1740S/QR/-T | TRANSISTOR | |
| Q305 | 2SC1740S/QR/-T | TRANSISTOR | |
| Q501 | 2SD601A/QR/-X | TRANSISTOR | |
| Q502 | 2SD601A/QR/-X | TRANSISTOR | |
| Q503 | 2SD601A/QR/-X | TRANSISTOR | |
| Q504 | 2SD601A/QR/-X | TRANSISTOR | |
| Q621 | 2SB709A/QR/-X | TRANSISTOR | |
| Q622 | 2SB709A/QR/-X | TRANSISTOR | |
| Q623 | UN2213-X | DIGI TRANSISTOR | |
| Q624 | UN2213-X | DIGI TRANSISTOR | |
| Q625 | UN2213-X | DIGI TRANSISTOR | |
| Q626 | UN2213-X | DIGI TRANSISTOR | |
| Q627 | 2SD601A/QR/-X | TRANSISTOR | |
| Q628 | UN2213-X | DIGI TRANSISTOR | |
| Q629 | 2SD601A/QR/-X | TRANSISTOR | |
| Q632 | 2SB709A/QR/-X | TRANSISTOR | |
| Q641 | 2SB709A/QR/-X | TRANSISTOR | |
| Q642 | DTC323TK-X | DIGI TRANSISTOR | |
| Q643 | DTC323TK-X | DIGI TRANSISTOR | |
| Q701 | 2SB709A/QR/-X | TRANSISTOR | |
| Q702 | 2SD601A/QR/-X | TRANSISTOR | |
| D201 | MA3120/M/-X | Z DIODE | |
| D202 | MA3120/M/-X | Z DIODE | |
| D203 | MA3120/M/-X | Z DIODE | |
| D204 | MA3120/M/-X | Z DIODE | |
| D205 | MA3120/M/-X | Z DIODE | |
| D206 | MA3120/M/-X | Z DIODE | |
| D207 | MA3120/M/-X | Z DIODE | |
| D208 | MA3120/M/-X | Z DIODE | |
| D209 | MA3120/M/-X | Z DIODE | |
| D501 | MA111-X | SI DIODE | |
| D502 | MA111-X | SI DIODE | |
| D503 | MA111-X | SI DIODE | |
| D504 | MA111-X | SI DIODE | |
| D621 | MA111-X | SI DIODE | |
| D622 | MA111-X | SI DIODE | |
| D623 | MA111-X | SI DIODE | |
| D624 | MA111-X | SI DIODE | |
| D625 | MA111-X | SI DIODE | |
| D626 | MA111-X | SI DIODE | |
| D627 | MA111-X | SI DIODE | |
| D628 | MA111-X | SI DIODE | |
| D629 | MA111-X | SI DIODE | |
| D630 | MA111-X | SI DIODE | |
| D631 | MA111-X | SI DIODE | |
| D633 | MA111-X | SI DIODE | |
| D651 | MA3330/L/-X | Z DIODE | |
| D652 | MA3330/L/-X | Z DIODE | |
| D653 | MA3330/L/-X | Z DIODE | |
| D701 | MA3056/M/-X | Z DIODE | |
| D702 | MA3056/M/-X | Z DIODE | |
| D703 | MA3056/M/-X | Z DIODE | |
| D704 | MA3056/M/-X | Z DIODE | |
| D705 | MA111-X | SI DIODE | |
| D981 | MA111-X | SI DIODE | |
| D982 | MA111-X | SI DIODE | |
| C001 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K |
| C002 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C004 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C005 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C006 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C007 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C008 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C009 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C010 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C011 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C012 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C013 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C101 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C102 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C103 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C104 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C105 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C106 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C117 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C118 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C119 | NDC31HJ-2R0X | C CAPACITOR | 2pF 50V J |
| C120 | NDC31HJ-2R0X | C CAPACITOR | 2pF 50V J |
| C121 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C122 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C123 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C124 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C125 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C126 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C127 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C128 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C130 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C131 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C201 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C202 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C203 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C204 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C205 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C206 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C207 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C209 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C210 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C211 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C212 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C213 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C215 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C216 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C219 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C220 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C221 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C222 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C223 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C224 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C225 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C226 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C227 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C228 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C229 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C230 | QENC1EM-106Z | BP E CAPACITOR | 10uF 25V M |
| C231 | QENC1EM-106Z | BP E CAPACITOR | 10uF 25V M |
| C232 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C233 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C234 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C235 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C236 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C237 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C238 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C239 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C303 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C304 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C308 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K |
| C309 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C310 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K |
| C503 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C504 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C506 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C507 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C508 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C509 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C510 | NCB31EK-333X | C CAPACITOR | 0.033uF 25V K |
| C511 | NCB31HK-682X | C CAPACITOR | 6800pF 50V K |
| C513 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C515 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C551 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C552 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C553 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C554 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C555 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C601 | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M |
| C602 | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M |
| C603 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C604 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K |
| C605 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K |
| C606 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K |
| C607 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K |
| C608 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K |
| C609 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K |
| C610 | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M |
| C611 | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M |
| C623 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C641 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C642 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C650 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C651 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C652 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C654 | QETN1HM-107Z | E CAPACITOR | 100uF 50V M |
| C657 | QETM1VM-228 | E CAPACITOR | 2200uF 35V M |
| C663 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C664 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C665 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C666 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C701 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C702 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C901 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C902 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C903 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C904 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C905 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C906 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C907 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J |
| R002 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R004 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R005 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R006 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R007 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R008 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R009 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R010 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J |
| R011 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R101 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R102 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R105 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R201 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R202 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R203 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R204 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R205 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R206 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R208 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R209 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R210 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R211 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R212 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R213 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R214 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R215 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R216 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R217 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R218 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R219 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R220 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R221 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R222 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R223 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R224 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R225 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R226 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R227 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R228 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R229 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R230 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R231 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R232 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R233 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R234 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R235 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R236 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R237 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R238 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R239 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R240 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R241 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R242 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R243 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R244 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R245 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R246 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R247 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R248 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R249 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R250 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R251 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R252 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R253 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R254 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R255 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R256 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R257 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R258 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R259 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R260 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R261 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J |
| R262 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J |
| R263 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R264 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R265 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R266 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R267 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R268 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R269 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R270 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R271 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R272 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R273 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R274 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R275 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J |
| R276 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J |
| R277 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R278 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R279 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R280 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R281 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R282 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R283 | QRG01GJ-101 | OMF RESISTOR | 100Ω 1W J |
| R284 | QRK126J-181X | UNF C RESISTOR | 180Ω 1/2W J |
| R285 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R286 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R287 | QRK126J-151X | UNF C RESISTOR | 150Ω 1/2W J |
| R288 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R289 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R290 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R291 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R311 | QRK126J-391X | UNF C RESISTOR | 390Ω 1/2W J |
| R312 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J |
| R313 | QRK126J-391X | UNF C RESISTOR | 390Ω 1/2W J |
| R314 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R315 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J |
| R501 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R502 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R503 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R504 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R505 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R506 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R507 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R509 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R510 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R511 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R512 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R513 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R514 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R515 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R516 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R517 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R518 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R519 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R520 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R521 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R522 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R523 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R524 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R525 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R526 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R527 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R528 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R529 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R530 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R531 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R532 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R533 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R534 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R535 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R536 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R537 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R538 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R539 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R551 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R552 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J |
| R553 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R554 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R555 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R556 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R557 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J |
| R558 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R559 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R560 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R601 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R602 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R603 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R604 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R605 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R606 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R607 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R608 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R609 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R610 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R611 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R612 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R613 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R621 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R622 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R623 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R624 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R626 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R627 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R628 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R629 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R630 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R631 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R632 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R635 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R637 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R638 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R641 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R642 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R643 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R644 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R645 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R650 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R651 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R652 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R653 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R654 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R655 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R657 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R661 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J |
| R702 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R703 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R704 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R705 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R706 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R707 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R708 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R709 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R710 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| L001 | QQL244K-270Z | COIL | 27uH K |
| L002 | QQL244K-100Z | COIL | 10uH K |
| L003 | QQL244K-100Z | COIL | 10uH K |
| L101 | QRN143J-0R0X | C RESISTOR | 0Ω 1/4W J |
| L102 | QQL244K-4R7Z | COIL | 4.7uH K |
| CN001 | QGB1505J1-35 | CONNECTOR | B-B (1-35) |
| CN002 | QGC2507C1-96 | CONNECTOR | (1-96) |
| CN003 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN004 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN005 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN00B | QJK002-042214 | SIN CR C-B WIRE | |
| CN00F | QGA2501C1-12 | CONNECTOR | W-B (1-12) |
| CN00K | QGA2501C5-05Z | CONNECTOR | W-B (1-5) |
| CN00R | QGA2501C1-10 | CONNECTOR | W-B (1-10) |
| CN0C1 | QGA2501F1-06 | CONNECTOR | W-B (1-6) |
| CN0RT | QGA2501C5-03Z | CONNECTOR | W-B (1-3) |
| CN0SL | QGA2501C5-04Z | CONNECTOR | W-B (1-4) |
| CN0SR | QGA2501C5-03Z | CONNECTOR | W-B (1-3) |
| HS651 | LC30145-003A | HEAT SINK/AL-F/ | |
| J001 | QNN0296-001 | PIN JACK | AUDIO OUT |
| K101 | NQR0389-003X | FERRITE BEADS | |
| K102 | NQR0389-003X | FERRITE BEADS | |
| K641 | NQR0199-001X | FERRITE BEADS | |
| K642 | NQR0199-001X | FERRITE BEADS | |
| LC101 | NQR0431-001X | EMI FILTER | 0.22uF 50V Z |
| TU001 | QAU0276-001 | TUNER | |
| W101 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| W102 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| W103 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| W104 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| W108 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| W109 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| X101 | CE42546-001Z | X TAL | |
| Y004 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| Y603 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |

## [AV-32X35HKE / AV-32X37HKE]
## MAIN PW BOARD ASS'Y (SML-1901A-U2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| IC101 | MSP3413G-QA-B3 | IC | |
| IC201 | CXA2089Q-X | IC | |
| IC501 | BA10324AF-XE | IC | |
| IC551 | LA6515 | IC | |
| IC601 | BA4558F-X | IC | |
| IC651 | AN5277 | IC | |
| IC701 | AT24LC-28X37HKE | IC | (SERVICE) |
| IC901 | AN78L08-T | IC | |
| IC902 | MM1565AF-X | IC | |
| Q002 | 2SD601A/QR/-X | TRANSISTOR | |
| Q101 | UN2213-X | DIGI TRANSISTOR | |
| Q201 | 2SD601A/QR/-X | TRANSISTOR | |
| Q202 | 2SD601A/QR/-X | TRANSISTOR | |
| Q203 | 2SD601A/QR/-X | TRANSISTOR | |
| Q204 | 2SD601A/QR/-X | TRANSISTOR | |
| Q205 | 2SD601A/QR/-X | TRANSISTOR | |
| Q206 | 2SD601A/QR/-X | TRANSISTOR | |
| Q207 | DTC323TK-X | DIGI TRANSISTOR | |
| Q208 | 2SD601A/QR/-X | TRANSISTOR | |
| Q209 | 2SD601A/QR/-X | TRANSISTOR | |
| Q210 | 2SB709A/QR/-X | TRANSISTOR | |
| Q211 | DTC323TK-X | DIGI TRANSISTOR | |
| Q212 | 2SB709A/QR/-X | TRANSISTOR | |
| Q213 | DTC323TK-X | DIGI TRANSISTOR | |
| Q214 | DTC323TK-X | DIGI TRANSISTOR | |
| Q215 | 2SA933AS/QR/-T | TRANSISTOR | |
| Q216 | 2SD601A/QR/-X | TRANSISTOR | |
| Q217 | 2SC1740S/QR/-T | TRANSISTOR | |
| Q305 | 2SC1740S/QR/-T | TRANSISTOR | |
| Q501 | 2SD601A/QR/-X | TRANSISTOR | |
| Q502 | 2SD601A/QR/-X | TRANSISTOR | |
| Q503 | 2SD601A/QR/-X | TRANSISTOR | |
| Q504 | 2SD601A/QR/-X | TRANSISTOR | |
| Q621 | 2SB709A/QR/-X | TRANSISTOR | |
| Q622 | 2SB709A/QR/-X | TRANSISTOR | |
| Q623 | UN2213-X | DIGI TRANSISTOR | |
| Q624 | UN2213-X | DIGI TRANSISTOR | |
| Q625 | UN2213-X | DIGI TRANSISTOR | |
| Q626 | UN2213-X | DIGI TRANSISTOR | |
| Q627 | 2SD601A/QR/-X | TRANSISTOR | |
| Q628 | UN2213-X | DIGI TRANSISTOR | |
| Q629 | 2SD601A/QR/-X | TRANSISTOR | |
| Q632 | 2SB709A/QR/-X | TRANSISTOR | |
| Q641 | 2SB709A/QR/-X | TRANSISTOR | |
| Q642 | DTC323TK-X | DIGI TRANSISTOR | |
| Q643 | DTC323TK-X | DIGI TRANSISTOR | |
| Q701 | 2SB709A/QR/-X | TRANSISTOR | |
| Q702 | 2SD601A/QR/-X | TRANSISTOR | |
| D201 | MA3120/M/-X | Z DIODE | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| D202 | MA3120/M/-X | Z DIODE | |
| D203 | MA3120/M/-X | Z DIODE | |
| D204 | MA3120/M/-X | Z DIODE | |
| D205 | MA3120/M/-X | Z DIODE | |
| D206 | MA3120/M/-X | Z DIODE | |
| D207 | MA3120/M/-X | Z DIODE | |
| D208 | MA3120/M/-X | Z DIODE | |
| D209 | MA3120/M/-X | Z DIODE | |
| D501 | MA111-X | SI DIODE | |
| D502 | MA111-X | SI DIODE | |
| D503 | MA111-X | SI DIODE | |
| D504 | MA111-X | SI DIODE | |
| D621 | MA111-X | SI DIODE | |
| D622 | MA111-X | SI DIODE | |
| D623 | MA111-X | SI DIODE | |
| D624 | MA111-X | SI DIODE | |
| D625 | MA111-X | SI DIODE | |
| D626 | MA111-X | SI DIODE | |
| D627 | MA111-X | SI DIODE | |
| D628 | MA111-X | SI DIODE | |
| D629 | MA111-X | SI DIODE | |
| D630 | MA111-X | SI DIODE | |
| D631 | MA111-X | SI DIODE | |
| D633 | MA111-X | SI DIODE | |
| D651 | MA3330/L/-X | Z DIODE | |
| D652 | MA3330/L/-X | Z DIODE | |
| D653 | MA3330/L/-X | Z DIODE | |
| D701 | MA3056/M/-X | Z DIODE | |
| D702 | MA3056/M/-X | Z DIODE | |
| D703 | MA3056/M/-X | Z DIODE | |
| D704 | MA3056/M/-X | Z DIODE | |
| D705 | MA111-X | SI DIODE | |
| D981 | MA111-X | SI DIODE | |
| D982 | MA111-X | SI DIODE | |
| C001 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K |
| C002 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C004 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C005 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C006 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C007 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C008 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C009 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C011 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C012 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C013 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C101 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C102 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C103 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C104 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C105 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C106 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C117 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C118 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C119 | NDC31HJ-2R0X | C CAPACITOR | 2pF 50V J |
| C120 | NDC31HJ-2R0X | C CAPACITOR | 2pF 50V J |
| C121 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C122 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C123 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C124 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C125 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C126 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C127 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C128 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C130 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C131 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C201 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C202 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C203 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C204 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C205 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C206 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C207 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C209 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C210 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C211 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C212 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C213 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C215 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C216 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C219 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C220 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C221 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C222 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C223 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C224 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C225 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C226 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C227 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C228 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C229 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C230 | QENC1EM-106Z | BP E CAPACITOR | 10uF 25V M |
| C231 | QENC1EM-106Z | BP E CAPACITOR | 10uF 25V M |
| C232 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C233 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C234 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C235 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C236 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C237 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C238 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C239 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C303 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C304 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C308 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K |
| C309 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C310 | NCB31CK-224X | C CAPACITOR | 0.22uF 16V K |
| C503 | NDC31HJ-102X | C CAPACITOR | 1000pF 50V J |
| C504 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C506 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C507 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C508 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C509 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C510 | NCB31EK-333X | C CAPACITOR | 0.033uF 25V K |
| C511 | NCB31HK-682X | C CAPACITOR | 6800pF 50V K |
| C513 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C515 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C551 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C552 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C553 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C554 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C555 | NCF31CZ-224X | C CAPACITOR | 0.22uF 16V Z |
| C601 | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M |
| C602 | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M |
| C603 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C604 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K |
| C605 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K |
| C606 | NCB31HK-153X | C CAPACITOR | 0.015uF 50V K |
| C607 | NCB31HK-222X | C CAPACITOR | 2200pF 50V K |
| C608 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K |
| C609 | NCB31HK-223X | C CAPACITOR | 0.022uF 50V K |
| C610 | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M |
| C611 | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M |
| C623 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C641 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C642 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C650 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C651 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C652 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C654 | QETN1HM-107Z | E CAPACITOR | 100uF 50V M |
| C657 | QETM1VM-228 | E CAPACITOR | 2200uF 35V M |
| C663 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C664 | QETN1EM-108Z | E CAPACITOR | 1000uF 25V M |
| C665 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C666 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C701 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C702 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C901 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C902 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C903 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C904 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C905 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C906 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C907 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J |
| R002 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R003 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R006 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R007 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R008 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R011 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R101 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R102 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R105 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R201 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R202 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R203 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R204 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R205 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R206 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R208 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R209 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R210 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R211 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R212 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R213 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R214 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R215 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R216 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R217 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R218 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R219 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R220 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R221 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R222 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R223 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R224 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R225 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R226 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R227 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R228 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R229 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R230 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R231 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R232 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R233 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R234 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R235 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R236 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R237 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R238 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R239 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R240 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R241 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R242 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R243 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R244 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R245 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R246 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R247 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R248 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R249 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R250 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R251 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R252 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R253 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R254 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R255 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R256 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R257 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R258 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R259 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R260 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R261 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J |
| R262 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J |
| R263 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R264 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R265 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R266 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R267 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R268 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R269 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R270 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R271 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R272 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R273 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R274 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R275 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J |
| R276 | NRSA63J-391X | MG RESISTOR | 390Ω 1/16W J |
| R277 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R278 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R279 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R280 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R281 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R282 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R283 | QRG01GJ-101 | OMF RESISTOR | 100Ω 1W J |
| R284 | QRK126J-181X | UNF C RESISTOR | 180Ω 1/2W J |
| R285 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R286 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R287 | QRK126J-151X | UNF C RESISTOR | 150Ω 1/2W J |
| R288 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R289 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R290 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R291 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R311 | QRK126J-391X | UNF C RESISTOR | 390Ω 1/2W J |
| R312 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J |
| R313 | QRK126J-391X | UNF C RESISTOR | 390Ω 1/2W J |
| R314 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R315 | NRSA63J-680X | MG RESISTOR | 68Ω 1/16W J |
| R501 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R502 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R503 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R504 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R505 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R506 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R507 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R509 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R510 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R511 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R512 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R513 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R514 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R515 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R516 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R517 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R518 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J |
| R519 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R520 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R521 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R522 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R523 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R524 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R525 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R526 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R527 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R528 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R529 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R530 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R531 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R532 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R533 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J |
| R534 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J |
| R535 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J |
| R536 | NRSA63J-224X | MG RESISTOR | 220kΩ 1/16W J |
| R537 | NRSA63J-123X | MG RESISTOR | 12kΩ 1/16W J |
| R538 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J |
| R539 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R551 | NRSA63J-124X | MG RESISTOR | 120kΩ 1/16W J |
| R552 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J |
| R553 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J |
| R554 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R555 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J |
| R556 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R557 | NRSA63J-100X | MG RESISTOR | 10Ω 1/16W J |
| R558 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J |
| R559 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R560 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R601 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R602 | NRSA63J-333X | MG RESISTOR | 33kΩ 1/16W J |
| R603 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R604 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R605 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R606 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R607 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R608 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R609 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J |
| R610 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R611 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R612 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R613 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R621 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R622 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R623 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R624 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R626 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R627 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R628 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R629 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R630 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R631 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R632 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R635 | NRSA63J-822X | MG RESISTOR | 8.2kΩ 1/16W J |
| R637 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R638 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R641 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R642 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R643 | NRSA63J-681X | MG RESISTOR | 680Ω 1/16W J |
| R644 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R645 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R650 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R651 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R652 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R653 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R654 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R655 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R657 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R661 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J |
| R702 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R703 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R704 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R705 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R706 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R707 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R708 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R709 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R710 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| L001 | QQL244K-270Z | COIL | 27uH K |
| L002 | QQL244K-100Z | COIL | 10uH K |
| L003 | QQL244K-100Z | COIL | 10uH K |
| L101 | QRN143J-0R0X | C RESISTOR | 0Ω 1/4W J |
| L102 | QQL244K-4R7Z | COIL | 4.7uH K |
| CN001 | QGB1505J1-35 | CONNECTOR | B-B (1-35) |
| CN002 | QGC2507C1-96 | CONNECTOR | (1-96) |
| CN003 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN004 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN005 | QGB1506L1-16 | CONNECTOR | B-B (1-16) |
| CN00B | QJK002-042214 | SIN CR C-B WIRE | |
| CN00F | QGA2501C1-12 | CONNECTOR | W-B (1-12) |
| CN00K | QGA2501C5-05Z | CONNECTOR | W-B (1-5) |
| CN00R | QGA2501C1-10 | CONNECTOR | W-B (1-10) |
| CN0C1 | QGA2501F1-06 | CONNECTOR | W-B (1-6) |
| CN0RT | QGA2501C5-03Z | CONNECTOR | W-B (1-3) |
| CN0SL | QGA2501C5-04Z | CONNECTOR | W-B (1-4) |
| CN0SR | QGA2501C5-03Z | CONNECTOR | W-B (1-3) |
| HS651 | LC30145-003A | HEAT SINK/AL-F/ | |
| J001 | QNN0296-001 | PIN JACK | AUDIO OUT |
| K101 | NQR0389-003X | FERRITE BEADS | |
| K102 | NQR0389-003X | FERRITE BEADS | |
| K641 | NQR0199-001X | FERRITE BEADS | |
| K642 | NQR0199-001X | FERRITE BEADS | |
| LC101 | NQR0431-001X | EMI FILTER | 0.22uF 50V Z |
| TU001 | QAU0277-001 | TUNER | |
| W101 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| W102 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| W103 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| W104 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| W108 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| W109 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| X101 | CE42546-001Z | X TAL | |
| Y001 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| Y004 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| Y603 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |

## POWER & DEF PW BOARD ASS'Y (SML-2001A-U2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| IC401 | LA78041 | IC | |
| IC461 | BA10393 | IC | |
| IC901 | STR-F6267S-F7 | IC | |
| ⚠IC941 | QAL0425-001 | POWER TRANSF | |
| IC951 | SE140N | IC | |
| IC961 | L7812CP | IC | |
| IC962 | L7809CP | IC | |
| Q461 | 2SK2459N-F54 | POWER MOS FET | |
| Q462 | KTC3199/YG/-T | TRANSISTOR | |
| Q463 | KTC3199/YG/-T | TRANSISTOR | |
| Q464 | KTA1267/YG/-T | TRANSISTOR | |
| Q481 | DTC124ESA-T | DIGI TRANSISTOR | |
| Q482 | KTC3199/YG/-T | TRANSISTOR | |
| Q501 | BSN304-T | MOS FET | |
| ⚠Q521 | 2SC5857-LB | POW TRANSISTOR | |
| Q581 | 2SA1208/ST/Z1-T | TRANSISTOR | |
| Q582 | DTC144ESA-T | DIGI TRANSISTOR | |
| Q583 | KTC3199/YG/-T | TRANSISTOR | |
| Q941 | KTC3199/YG/-T | TRANSISTOR | |
| Q942 | KTC3199/YG/-T | TRANSISTOR | |
| D402 | 1SR35-400A-T2 | SI DIODE | |
| D461 | RGP10J-5025-T3 | SI DIODE | |
| D462 | 1SS133-T2 | SI DIODE | |
| D463 | 1SS133-T2 | SI DIODE | |
| D481 | 1SS133-T2 | SI DIODE | |
| D501 | 1SS81-T5 | SI DIODE | |
| D521 | V11CA-C1 | SI DIODE | |
| D522 | FMV-3FU-F1 | SI DIODE | |
| D523 | MTZJ22B-T2 | Z DIODE | |
| D524 | 1SR35-400A-T2 | SI DIODE | |
| D525 | RGP10J-5025-T3 | SI DIODE | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| D541 | RGP10J-5025-T3 | SI DIODE | |
| D542 | MTZJ3.9B-T2 | Z DIODE | |
| D551 | RGP10J-5025-T3 | SI DIODE | |
| D552 | RGP10J-5025-T3 | SI DIODE | |
| D553 | RH1S-T3 | SI DIODE | |
| D582 | MTZJ7.5B-T2 | Z DIODE | |
| D583 | MTZJ7.5S-T2 | Z DIODE | |
| D584 | RGP10J-5025-T3 | SI DIODE | |
| D901 | D3SB60 | BRIDGE DIODE | |
| D902 | RG1C-LFA1 | SI DIODE | |
| D904 | EU2-T2 | FR DIODE | |
| D905 | 1SS133-T2 | SI DIODE | |
| D906 | MTZJ27B-T2 | Z DIODE | |
| D907 | 1SS133-T2 | SI DIODE | |
| D910 | MTZJ15B-T2 | Z DIODE | |
| D911 | MTZJ15B-T2 | Z DIODE | |
| D931 | S1WB/A/60-4101 | BRIDGE DIODE | |
| D941 | 1SR124-400A-T2 | SI DIODE | |
| D945 | 1SS133-T2 | SI DIODE | |
| D951 | RU4AM-LFT2 | SI DIODE | |
| D952 | RU4AM-LFT2 | SI DIODE | |
| D953 | RGP10J-5025-T3 | SI DIODE | |
| D954 | FMX-G12S | SI DIODE | |
| D956 | FMX-G12S | SI DIODE | |
| D958 | MTZJ33B-T2 | Z DIODE | |
| D959 | 1SS133-T2 | SI DIODE | |
| D981 | 1SS133-T2 | SI DIODE | |
| D982 | 1SS133-T2 | SI DIODE | |
| D983 | 1SS133-T2 | SI DIODE | |
| ⚠PC901 | PC123Y22 | PHOTO COUPLER | |
| C404 | QCZ0120-104Z | C CAPACITOR | 0.1uF 25V Z |
| C405 | QDC31HJ-820Z | C CAPACITOR | 82pF 50V J |
| C406 | QETM1VM-108 | E CAPACITOR | 1000uF 35V M |
| C408 | QETN1VM-337Z | E CAPACITOR | 330uF 35V M |
| C409 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J |
| C410 | QFVF1HJ-474Z | MF CAPACITOR | 0.47uF 50V J |
| C411 | QFLC2AJ-104Z | M CAPACITOR | 0.1uF 100V J |
| C414 | QCB31HK-682Z | C CAPACITOR | 6800pF 50V K |
| C461 | QEZ0414-226 | BP E CAPACITOR | 22uF 50V M |
| C462 | QFM72DJ-152Z | M CAPACITOR | 1500pF 200V J |
| C463 | QFM72DJ-122Z | M CAPACITOR | 1200pF 200V J |
| C464 | QCZ0120-104Z | C CAPACITOR | 0.1uF 25V Z |
| C465 | QETN1HM-106Z | E CAPACITOR | 10uF 50V M |
| C466 | QFP31HJ-272Z | PP CAPACITOR | 2700pF 50V J |
| C467 | QFLC1HJ-102Z | M CAPACITOR | 1000pF 50V J |
| C468 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C470 | QCS31HJ-470Z | C CAPACITOR | 47pF 50V J |
| C471 | QFLC1HJ-103Z | M CAPACITOR | 0.01uF 50V J |
| C481 | QETN1HM-105Z | E CAPACITOR | 1uF 50V M |
| C501 | QCB32HK-331Z | C CAPACITOR | 330pF 500V K |
| C502 | QFM72DK-103 | M CAPACITOR | 0.01uF 200V K |
| C503 | QFVF1HJ-224Z | MF CAPACITOR | 0.22uF 50V J |
| C521 | QFZ0122-112 | MPP CAPACITOR | 1100pF 1.8kV H |
| C522 | QFZ0200-123 | MPP CAPACITOR | 0.012uF 1.5kV H |
| C523 | QFM72DK-393 | M CAPACITOR | 0.039uF 200V K |
| C524 | QFP32JJ-183 | PP CAPACITOR | 0.018uF 630V J |
| C526 | QFZ0197-204 | MPP CAPACITOR | 0.2uF 250V J |
| C527 | QFZ0197-154 | MPP CAPACITOR | 0.15uF 250V J |
| C529 | QFZ0197-154 | MPP CAPACITOR | 0.15uF 250V J |
| C530 | QCB32HK-561Z | C CAPACITOR | 560pF 500V K |
| C531 | QFZ0194-534 | MPP CAPACITOR | 0.53uF 250V J |
| C532 | QETM2CM-227 | E CAPACITOR | 220uF 160V M |
| C533 | QETN2EM-475Z | E CAPACITOR | 4.7uF 250V M |
| C541 | QENC1HM-105Z | BP E CAPACITOR | 1uF 50V M |
| C551 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K |
| C552 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C553 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K |
| C554 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C555 | QCB32HK-102Z | C CAPACITOR | 1000pF 500V K |
| C556 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M |
| C558 | QETN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C561 | QFLC2AJ-223Z | M CAPACITOR | 0.022uF 100V J |
| C581 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M |
| C582 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M |
| C583 | QETN2AM-106Z | E CAPACITOR | 10uF 100V M |
| C584 | QETN1AM-227Z | E CAPACITOR | 220uF 10V M |
| ⚠C901 | QFZ9075-473 | MPP CAPACITOR | 0.047uF AC275V M |
| ⚠C902 | QFZ9075-104 | MPP CAPACITOR | 0.1uF AC275V M |
| ⚠C903 | QFZ9075-473 | MPP CAPACITOR | 0.047uF AC275V M |
| ⚠C904 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z |
| ⚠C905 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z |
| ⚠C906 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z |
| C907 | QEZ0199-227 | E CAPACITOR | 220uF 250V J |
| C908 | QCB32HK-103 | C CAPACITOR | 0.01uF 500V K |
| C909 | QCZ0340-391 | C CAPACITOR | 390pF 2kV K |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C910 | QETN1HM-476Z | E CAPACITOR | 47uF 50V M |
| C911 | QCB31HK-102Z | C CAPACITOR | 1000pF 50V K |
| C912 | QCZ0340-561 | C CAPACITOR | 560pF 2kV K |
| C914 | QCB31HK-221Z | C CAPACITOR | 220pF 50V K |
| C915 | QFLC1HJ-104Z | M CAPACITOR | 0.1uF 50V J |
| C916 | QCB32HK-152Z | C CAPACITOR | 1500pF 500V K |
| ⚠C931 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z |
| ⚠C932 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z |
| ⚠C933 | QCZ9054-472 | C CAPACITOR | 4700pF AC250V Z |
| C934 | QETM2GM-226 | E CAPACITOR | 22uF 400V M |
| C941 | QTMN1CM-477Z | E CAPACITOR | 470uF 16V M |
| C942 | QETN1AM-337Z | E CAPACITOR | 330uF 10V M |
| C951 | QEZ0203-227 | E CAPACITOR | 220uF 160V M |
| C952 | QETN1CM-108Z | E CAPACITOR | 1000uF 16V M |
| C953 | QEHR1CM-227Z | E CAPACITOR | 220uF 16V M |
| C954 | QETM1VM-228 | E CAPACITOR | 2200uF 35V M |
| C956 | QETN1AM-108Z | E CAPACITOR | 1000uF 10V M |
| C957 | QETN1AM-477Z | E CAPACITOR | 470uF 10V M |
| C959 | QFVF1HJ-684Z | MF CAPACITOR | 0.68uF 50V J |
| C960 | QCZ0325-821 | C CAPACITOR | 820pF 2kV K |
| ⚠C991 | QCZ9079-222 | C CAPACITOR | 2200pF AC250V M |
| ⚠C993 | QCZ9079-471 | C CAPACITOR | 470pF AC250V K |
| | | | |
| R401 | QRE141J-562Y | C RESISTOR | 5.6kΩ 1/4W J |
| R402 | QRE141J-562Y | C RESISTOR | 5.6kΩ 1/4W J |
| R403 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J |
| R404 | QRX01GJ-1R0 | MF RESISTOR | 1Ω 1W J |
| R405 | QRL029J-151 | OMF RESISTOR | 150Ω 2W J |
| R406 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J |
| R407 | QRX01GJ-1R5 | MF RESISTOR | 1.5Ω 1W J |
| R408 | QRX01GJ-1R5 | MF RESISTOR | 1.5Ω 1W J |
| R409 | QRE141J-823Y | C RESISTOR | 82kΩ 1/4W J |
| R410 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| R461 | QRG029J-820 | OMF RESISTOR | 82Ω 2W J |
| R462 | QRE141J-473Y | C RESISTOR | 47kΩ 1/4W J |
| R463 | QRE141J-682Y | C RESISTOR | 6.8kΩ 1/4W J |
| R464 | QRX01GJ-3R3 | MF RESISTOR | 3.3Ω 1W J |
| R468 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J |
| R469 | QRE141J-272Y | C RESISTOR | 2.7kΩ 1/4W J |
| R471 | QRE141J-391Y | C RESISTOR | 390Ω 1/4W J |
| R472 | QRA14CF-1002Y | CMF RESISTOR | 10kΩ 1/4W F |
| R473 | QRE141J-473Y | C RESISTOR | 47kΩ 1/4W J |
| R474 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| R475 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J |
| R476 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J |
| R477 | QRE141J-563Y | C RESISTOR | 56kΩ 1/4W J |
| R478 | QRE141J-333Y | C RESISTOR | 33kΩ 1/4W J |
| R481 | QRE141J-274Y | C RESISTOR | 270kΩ 1/4W J |
| R482 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| R501 | QRE141J-471Y | C RESISTOR | 470Ω 1/4W J |
| R502 | QRE141J-123Y | C RESISTOR | 12kΩ 1/4W J |
| R503 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J |
| R504 | QRL039J-272 | OMF RESISTOR | 2.7kΩ 3W J |
| R505 | QRL039J-272 | OMF RESISTOR | 2.7kΩ 3W J |
| R506 | QRE121J-5R6Y | C RESISTOR | 5.6Ω 1/2W J |
| R521 | QRE121J-471Y | C RESISTOR | 470Ω 1/2W J |
| R522 | QRE141J-223Y | C RESISTOR | 22kΩ 1/4W J |
| R523 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| R524 | QRC121K-152Z | COMP RESISTOR | 1.5kΩ 1/2W K |
| R525 | QRL039J-103 | OMF RESISTOR | 10kΩ 3W J |
| R541 | QRE141J-182Y | C RESISTOR | 1.8kΩ 1/4W J |
| R542 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J |
| R543 | QRE121J-272Y | C RESISTOR | 2.7kΩ 1/2W J |
| ⚠R551 | QRZ9022-R47 | FUSI RESISTOR | 0.47Ω 1W K |
| ⚠R552 | QRZ9022-R47 | FUSI RESISTOR | 0.47Ω 1W K |
| ⚠R555 | QRZ9022-R33 | FUSI RESISTOR | 0.33Ω 1W K |
| R561 | QRG01GJ-220 | OMF RESISTOR | 22Ω 1W J |
| R562 | QRE121J-123Y | C RESISTOR | 12kΩ 1/2W J |
| R563 | QRZ0056-103Z | COMP RESISTOR | 10kΩ 1/2W K |
| R581 | QRF154K-4R7 | UNF WW RESISTOR | 4.7Ω 15W K |
| R582 | QRE141J-681Y | C RESISTOR | 680Ω 1/4W J |
| R583 | QRE121J-682Y | C RESISTOR | 6.8kΩ 1/2W J |
| R584 | QRE141J-183Y | C RESISTOR | 18kΩ 1/4W J |
| R585 | QRE141J-222Y | C RESISTOR | 2.2kΩ 1/4W J |
| R586 | QRA14CF-6201Y | CMF RESISTOR | 6.2kΩ 1/4W F |
| R587 | QRA14CF-2801Y | CMF RESISTOR | 2.8kΩ 1/4W F |
| R588 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| ⚠R591 | QRZ9017-4R7 | FUSI RESISTOR | 4.7Ω 1/4W J |
| R901 | QRE121J-331Y | C RESISTOR | 330Ω 1/2W J |
| R902 | QRF054K-3R3 | UNF WW RESISTOR | 3.3Ω 5W K |
| R903 | QRF104K-3R9 | UNF WW RESISTOR | 3.9Ω 10W K |
| R904 | QRL039J-683 | OMF RESISTOR | 68kΩ 3W J |
| R905 | QRE121J-474Y | C RESISTOR | 470kΩ 1/2W J |
| R906 | QRE121J-474Y | C RESISTOR | 470kΩ 1/2W J |
| R908 | QRL039J-823 | OMF RESISTOR | 82kΩ 3W J |
| R909 | QRL039J-823 | OMF RESISTOR | 82kΩ 3W J |
| R910 | QRE121J-100Y | C RESISTOR | 10Ω 1/2W J |
| R911 | QRE121J-332Y | C RESISTOR | 3.3kΩ 1/2W J |
| R914 | QRM059J-R10 | MP RESISTOR | 0.1Ω 5W J |
| R915 | QRE121J-221Y | C RESISTOR | 220Ω 1/2W J |
| R916 | QRE121J-152Y | C RESISTOR | 1.5kΩ 1/2W J |
| R941 | QRE141J-1R0Y | C RESISTOR | 1Ω 1/4W J |
| R942 | QRE141J-1R5Y | C RESISTOR | 1.5Ω 1/4W J |
| R943 | QRE141J-1R8Y | C RESISTOR | 1.8Ω 1/4W J |
| R944 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| R945 | QRE141J-563Y | C RESISTOR | 56kΩ 1/4W J |
| R946 | QRE141J-103Y | C RESISTOR | 10kΩ 1/4W J |
| R951 | QRE121J-222Y | C RESISTOR | 2.2kΩ 1/2W J |
| R952 | QRL039J-223 | OMF RESISTOR | 22kΩ 3W J |
| R981 | QRE141J-153Y | C RESISTOR | 15kΩ 1/4W J |
| R982 | QRE141J-102Y | C RESISTOR | 1kΩ 1/4W J |
| ⚠R991 | QRZ9046-825Z | C RESISTOR | 8.2MΩ 1/2W K |
| | | | |
| L461 | QQR1195-001 | CHOKE COIL | |
| L462 | QQLZ028-272 | COIL | 2.7mH |
| L521 | QQLZ031-180 | COIL | 18uH |
| L522 | QQR1191-001 | LINEARITY COIL | |
| L561 | QQLZ028-272 | COIL | 2.7mH |
| L901 | QQL401K-100Z | COIL | 10uH K |
| L902 | QQL401K-100Z | COIL | 10uH K |
| L903 | QQR1200-001 | CHOKE COIL | |
| L941 | QQL26AM-4R7Z | COIL | 4.7uH M |
| L942 | QQL26AK-220Z | COIL | 22uH K |
| L951 | QQLZ026-460 | COIL | 46uH ±7% |
| T501 | QQR1111-001 | DRIVE TRANSF | |
| T561 | QQR1096-001 | DAF TRANSF | |
| ⚠T901 | QQS0195-001 | SW TRANSF | |
| | | | |
| CN003 | QGB1506M1-16 | CONNECTOR | B-B (1-16) |
| CN004 | QGB1506M1-16 | CONNECTOR | B-B (1-16) |
| CN005 | QGB1506M1-16 | CONNECTOR | B-B (1-16) |
| CN00G | QGA2501C5-06Z | CONNECTOR | W-B (1-6) |
| CN00W | QGA7901C1-02 | CONNECTOR | W-B (1-2) |
| CN00X | QGA2501C5-05Z | CONNECTOR | W-B (1-5) |
| CN0HV | CHC802T-05N-J | LV CONNECTOR | |
| ⚠CP951 | ICP-N75-Y | IC PROTECTOR | 2.7A |
| ⚠CP952 | ICP-N75-Y | IC PROTECTOR | 2.7A |
| ⚠CP954 | QMFZ034-4R0Z-J1 | FUSE | 4A 125V |
| HS401 | LC30416-002A | HEAT SINK/AL-F/ | |
| HS461 | CEHT11B-002QS | HEAT SINK | |
| HS521 | LC31212-001B | HEAT SINK/AL-F/ | |
| HS522 | CEHT11B-006QS | HEAT SINK | |
| HS901 | LC30774-001A | HEAT SINK/AL-F/ | |
| HS954 | CEHT11B-002QS | HEAT SINK | |
| HS956 | CEHT11B-002QS | HEAT SINK | |
| K401 | QQR0621-002Z | FERRITE BEADS | |
| K522 | CE41832-001 | LEAD CORE | |
| K523 | CE41832-001 | LEAD CORE | |
| K524 | CE41832-001 | LEAD CORE | |
| K901 | QQR0679-001 | FERRITE BEADS | |
| ⚠LF901 | QQR1095-001 | LINE FILTER | |
| ⚠RY941 | QSK0099-001 | RELAY | |
| TH901 | QAD0133-9R0 | P THERMISTOR | 9Ω 220V/240V |

## CRT SOCKET PW BOARD ASS'Y (SML-3001A-U2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| IC3201 | TDA6111Q | IC | |
| IC3202 | TDA6111Q | IC | |
| IC3203 | TDA6111Q | IC | |
| | | | |
| Q3104 | 2SD601A/QR/-X | TRANSISTOR | |
| Q3105 | 2SC1627A/OY/-T | TRANSISTOR | |
| Q3108 | 2SA1837 | POW TRANSISTOR | |
| Q3109 | 2SC4793 | POW TRANSISTOR | |
| Q3301 | 2SB709A/QR/-X | TRANSISTOR | |
| Q3303 | 2SB709A/QR/-X | TRANSISTOR | |
| Q3304 | 2SD601A/QR/-X | TRANSISTOR | |
| | | | |
| D3102 | MA111-X | SI DIODE | |
| D3103 | RH1S-T3 | SI DIODE | |
| D3104 | RH1S-T3 | SI DIODE | |
| D3201 | EU01N-T2 | SI DIODE | |
| D3202 | EU01N-T2 | SI DIODE | |
| D3203 | EU01N-T2 | SI DIODE | |
| D3204 | RM2C-LFA1 | SI DIODE | |
| D3205 | 1SR124-400A-T2 | SI DIODE | |
| D3206 | 1SR124-400A-T2 | SI DIODE | |
| D3207 | 1SR124-400A-T2 | SI DIODE | |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| D3208 | MA3062/M/-X | Z DIODE | | |
| D3209 | MA3130/H/-X | Z DIODE | | |
| D3210 | MA3130/H/-X | Z DIODE | | |
| D3301 | MA111-X | SI DIODE | | |
| D3302 | MA111-X | SI DIODE | | |
| D3303 | MA111-X | SI DIODE | | |
| D3306 | MA3036-X | Z DIODE | | |
| C3106 | QETN1HM-335Z | E CAPACITOR | 3.3uF 50V M | |
| C3107 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C3110 | QETN2CM-106Z | E CAPACITOR | 10uF 160V M | |
| C3111 | QCB32HK-472Z | C CAPACITOR | 4700pF 500V K | |
| C3113 | QETN2CM-106Z | E CAPACITOR | 10uF 160V M | |
| C3114 | QCB32HK-472Z | C CAPACITOR | 4700pF 500V K | |
| C3116 | QETN1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C3117 | QETN1AM-107Z | E CAPACITOR | 100uF 10V M | |
| C3118 | QETN1AM-337Z | E CAPACITOR | 330uF 10V M | |
| C3120 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J | |
| C3201 | NDC31HJ-8R0X | C CAPACITOR | 8pF 50V J | |
| C3202 | NDC31HJ-8R0X | C CAPACITOR | 8pF 50V J | |
| C3203 | NDC31HJ-8R0X | C CAPACITOR | 8pF 50V J | |
| C3204 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3205 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3206 | NCF31CZ-104X | C CAPACITOR | 0.1uF 16V Z | |
| C3207 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C3208 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C3209 | QETN1EM-476Z | E CAPACITOR | 47uF 25V M | |
| C3210 | QFK62EK-104Z | MM CAPACITOR | 0.1uF 250V K | |
| C3211 | QFK62EK-104Z | MM CAPACITOR | 0.1uF 250V K | |
| C3212 | QFK62EK-104Z | MM CAPACITOR | 0.1uF 250V K | |
| C3213 | NDC31HJ-181X | C CAPACITOR | 180pF 50V J | |
| C3214 | NDC31HJ-181X | C CAPACITOR | 180pF 50V J | |
| C3215 | NDC31HJ-181X | C CAPACITOR | 180pF 50V J | |
| C3216 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C3218 | QETM2EM-336 | E CAPACITOR | 33uF 250V M | |
| C3219 | QFZ0097-223 | MM CAPACITOR | 0.022uF 1.25KV M | |
| C3221 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M | |
| C3222 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M | |
| C3223 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M | |
| C3224 | QETN2EM-106Z | E CAPACITOR | 10uF 250V M | |
| C3301 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| C3302 | QETN1AM-107Z | E CAPACITOR | 100uF 10V M | |
| R3103 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3109 | NRSA63J-153X | MG RESISTOR | 15kΩ 1/16W J | |
| R3112 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R3114 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J | |
| R3115 | NRSA63J-560X | MG RESISTOR | 56Ω 1/16W J | |
| R3116 | QRG01GJ-101 | OMF RESISTOR | 100Ω 1W J | |
| R3117 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| R3122 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R3123 | QRE121J-563Y | C RESISTOR | 56kΩ 1/2W J | |
| R3124 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3125 | QRE121J-563Y | C RESISTOR | 56kΩ 1/2W J | |
| R3126 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R3127 | NRSA63J-122X | MG RESISTOR | 1.2kΩ 1/16W J | |
| R3128 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J | |
| R3129 | QRE121J-2R7Y | C RESISTOR | 2.7Ω 1/2W J | |
| R3130 | QRE121J-2R7Y | C RESISTOR | 2.7Ω 1/2W J | |
| R3131 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J | |
| R3132 | NRSA63J-121X | MG RESISTOR | 120Ω 1/16W J | |
| R3133 | QRL029J-681 | OMF RESISTOR | 680Ω 2W J | |
| ⚠R3134 | QRZ9021-561 | FUSI RESISTOR | 560Ω 1W J | |
| R3201 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3202 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3203 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3208 | NRSA63J-154X | MG RESISTOR | 150kΩ 1/16W J | |
| R3209 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3218 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R3219 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R3220 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R3222 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3223 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R3224 | QRL029J-104-F | OMF RESISTOR | 100kΩ 2W J | |
| R3225 | QRL029J-104-F | OMF RESISTOR | 100kΩ 2W J | |
| R3226 | QRL029J-104-F | OMF RESISTOR | 100kΩ 2W J | |
| R3227 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R3228 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R3229 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R3230 | QRC121K-152Z | COMP RESISTOR | 1.5kΩ 1/2W K | |
| R3231 | QRC121K-152Z | COMP RESISTOR | 1.5kΩ 1/2W K | |
| R3232 | QRC121K-152Z | COMP RESISTOR | 1.5kΩ 1/2W K | |
| R3234 | QRZ0107-474Z | C RESISTOR | 470kΩ 1/2W K | |
| R3235 | QRC121K-102Z | COMP RESISTOR | 1kΩ 1/2W K | |
| R3236 | QRZ0107-105Z | C RESISTOR | 1MΩ 1/2W K | |
| R3237 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R3239 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R3240 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R3241 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R3242 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R3301 | QRE121J-474Y | C RESISTOR | 470kΩ 1/2W J | |
| R3302 | QRE121J-474Y | C RESISTOR | 470kΩ 1/2W J | |
| R3303 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R3304 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R3305 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R3306 | NRSA63J-392X | MG RESISTOR | 3.9kΩ 1/16W J | |
| R3308 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R3310 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R3311 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R3312 | NRSA63J-120X | MG RESISTOR | 12Ω 1/16W J | |
| R3313 | NRSA63J-331X | MG RESISTOR | 330Ω 1/16W J | |
| L3204 | QQL26AJ-102Z | COIL | 1mH J | |
| CN300G | QJK002-063631 | SIN CR C-B WIRE | | |
| CN300R | CHGY0146-0A | CONNECTOR ASSY | | |
| CN30E1 | CE41507-001P | LV CONNECTOR | | |
| CN30SC | QGZ0017C1-01Z | CONNECTOR | (1-1) | |
| CN30VM | CHHB03-140A | 3P DB WIRE ASSY | | |
| HS3101 | CEHP00N-001QS | HEAT SINK | | |
| HS3102 | CEHP00N-001QS | HEAT SINK | | |
| HS3201 | LC31150-002A | HEAT SINK/AL-F/ | | |
| HS3202 | LC31150-002A | HEAT SINK/AL-F/ | | |
| HS3203 | LC31150-002A | HEAT SINK/AL-F/ | | |
| K3101 | CE41492-001Z | CHOKE COIL | | |
| K3103 | CE41492-001Z | CHOKE COIL | | |
| K3104 | CE41492-001Z | CHOKE COIL | | |
| K3105 | QQR0621-002Z | FERRITE BEADS | | |
| K3201 | QQR0679-001 | FERRITE BEADS | | |
| K3202 | QQR0679-001 | FERRITE BEADS | | |
| SG3201 | QAF0056-501Z | SURGE ABSORBER | 500V M | |
| SG3202 | QAF0056-501Z | SURGE ABSORBER | 500V M | |
| SG3203 | QAF0056-501Z | SURGE ABSORBER | 500V M | |
| ⚠SK3001 | QNZ0574-001 | CRT SOCKET | | |
| Y3101 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |

## FRONT CONTROL PW BOARD ASS'Y (SML-8001A-U2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| IC8851 | GP1UM281QK | IR DETECT UNIT | 38kHz | |
| Q8801 | UN2112-X | DIGI TRANSISTOR | | |
| Q8802 | UN2112-X | DIGI TRANSISTOR | | |
| Q8803 | UN2212-X | DIGI TRANSISTOR | | |
| D8801 | SPR-39MVWF | LED | RED-GREEN | |
| D8851 | MA3068/M/-X | Z DIODE | | |
| C8851 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K | |
| C8852 | QETN1CM-107Z | E CAPACITOR | 100uF 16V M | |
| ⚠C8901 | QFZ9072-474 | MM CAPACITOR | 0.47uF AC250V K | |
| R8801 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| R8802 | NRSA63J-561X | MG RESISTOR | 560Ω 1/16W J | |
| R8804 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R8851 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| CN800B | QGA2501C5-04Z | CONNECTOR | W-B (1-4) | |
| CN800W | WJK0050-002A | E-SI C WIRE C-B | | |
| CN80PW | QGAB801C1-02 | CONNECTOR | W-B (1-2) | |
| ⚠F8901 | QMF51D2-3R15J1 | FUSE | 3.15A AC250V | |
| FC8901 | CEMG002-001Z | FUSE CLIP | | |
| FC8902 | CEMG002-001Z | FUSE CLIP | | |
| ⚠LF8901 | QQR1095-001 | LINE FILTER | | |
| ⚠S8901 | QSW0824-001 | PUSH SWITCH | POWER | |
| W8001 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |

## SIDE CONTROL PW BOARD ASS'Y (SML-8101A-U2)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| C8001 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C8002 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K | |
| C8003 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K | |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C8004 | NCB31HK-102X | C CAPACITOR | 1000pF 50V K |
| C8310 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C8311 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C8321 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| R8001 | QRE121J-271Y | C RESISTOR | 270Ω 1/2W J |
| R8002 | QRE121J-271Y | C RESISTOR | 270Ω 1/2W J |
| R8021 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R8022 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| L8001 | QQR0716-001Z | FERRITE BEADS | |
| L8002 | QQL244K-5R6Z | COIL | 5.6uH K |
| L8003 | QQL244K-5R6Z | COIL | 5.6uH K |
| L8310 | QQL244K-270Z | COIL | 27uH K |
| L8311 | QQL244K-270Z | COIL | 27uH K |
| L8312 | QQR0716-001Z | FERRITE BEADS | |
| CN800F | QGA2501C1-12 | CONNECTOR | W-B (1-12) |
| CN800K | QGA2501C5-05Z | CONNECTOR | W-B (1-5) |
| J8001 | QMS3001-C01 | 3.5 JACK | HEADPHONE |
| J8303 | QNZ0438-001 | AV JACK | V-IN |
| S8001 | QSW0619-003Z | TACT SWITCH | CH DOWN |
| S8002 | QSW0619-003Z | TACT SWITCH | MENU |
| S8003 | QSW0619-003Z | TACT SWITCH | CH UP |

## AV JACK PW BOARD ASS'Y (SML0J001A-U2)

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| D0101 | MA3056/M/-X | Z DIODE | |
| D0102 | MA3056/M/-X | Z DIODE | |
| D0103 | MA3056/M/-X | Z DIODE | |
| D0104 | MA3056/M/-X | Z DIODE | |
| D0115 | MA3056/M/-X | Z DIODE | |
| D0116 | MA3056/M/-X | Z DIODE | |
| D0117 | MA3056/M/-X | Z DIODE | |
| D0118 | MA3056/M/-X | Z DIODE | |
| D0119 | MA3056/M/-X | Z DIODE | |
| C0101 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C0102 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C0103 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C0104 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C0105 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C0106 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C0107 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C0108 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C0109 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| C0110 | NCB31HK-472X | C CAPACITOR | 4700pF 50V K |
| R0101 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R0102 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R0103 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R0104 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R0105 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R0106 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R0107 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R0108 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R0109 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R0203 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R0204 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| R0205 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J |
| CN0001 | QGB1505K1-35 | CONNECTOR | B-B (1-35) |
| J0001 | QNZ0465-001 | 21P CONNECTOR | EXT-2 |
| J0002 | QNZ0463-001 | 21P CONNECTOR | EXT-1 |
| W0101 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| W0102 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| W0103 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| W0104 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |

## 100Hz PW BOARD ASS'Y (SML0Z001A-U2) [AV-32H35SUE] (SML0Z002A-U2) [AV-32X35HKE / AV-32X35HUE / AV-32X37HIE / AV-32X37HKE / AV-32X37SUE]

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| IC001 | SDA6000-B12 | IC | |
| IC002 | S-80828CNNB-W | IC | |
| IC003 | K4S641632F-TC75 | IC(DIGITAL) | |
| IC004 | MBV160T90PT | IC(MICRO C ROM) | |
| IC191 | PQ2L3252MS-X | IC | |
| IC201 | VSP9415B-VK-C1 | IC | |
| IC301 | DDP3315C-QA-D2 | IC | |
| IC901 | R1170H181B-X | IC | |
| IC902 | MM1563DF-X | IC | |
| IC903 | MM1565AF-X | IC | |
| Q013 | 2SK1830-X | MOS FET | |
| Q014 | 2SK1830-X | MOS FET | |
| Q101 | 2SD601A/QR/-X | TRANSISTOR | |
| Q201 | 2SB709A/QR/-X | TRANSISTOR | |
| Q202 | 2SB709A/QR/-X | TRANSISTOR | |
| Q203 | 2SB709A/QR/-X | TRANSISTOR | |
| Q301 | 2SB709A/QR/-X | TRANSISTOR | |
| Q302 | 2SD601A/QR/-X | TRANSISTOR | |
| Q304 | 2SC4672/PQ/-W | TRANSISTOR | |
| Q305 | 2SB709A/QR/-X | TRANSISTOR | |
| Q306 | 2SB709A/QR/-X | TRANSISTOR | |
| Q307 | 2SB709A/QR/-X | TRANSISTOR | |
| QA001 | UMX1N-W | PAIR TRANSISTOR | |
| QA002 | UMX1N-W | PAIR TRANSISTOR | |
| QA003 | UMX1N-W | PAIR TRANSISTOR | |
| QA004 | UMT1N-W | PAIR TRANSISTOR | |
| QA301 | UMX1N-W | PAIR TRANSISTOR | |
| QA302 | UMT1N-W | PAIR TRANSISTOR | |
| D001 | MA111-X | SI DIODE | |
| D002 | MA111-X | SI DIODE | |
| D003 | MA3068/M/-X | Z DIODE | |
| D005 | RSA6.1J4-W | SI DIODE | |
| D301 | DA221-X | DIODE ARRAY | |
| D302 | DA221-X | DIODE ARRAY | |
| D303 | DA221-X | DIODE ARRAY | |
| D304 | DA221-X | DIODE ARRAY | |
| D305 | MA111-X | SI DIODE | |
| D306 | DA221-X | DIODE ARRAY | |
| C001 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C019 | NEH71CM-476X | E CAPACITOR | 47uF 16V M |
| C020 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C021 | NEH71CM-476X | E CAPACITOR | 47uF 16V M |
| C022 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C023 | NCB31EK-333X | C CAPACITOR | 0.033uF 25V K |
| C024 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C025 | NCB31EK-333X | C CAPACITOR | 0.033uF 25V K |
| C026 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C027 | NEH71CM-476X | E CAPACITOR | 47uF 16V M |
| C028 | NEH71CM-476X | E CAPACITOR | 47uF 16V M |
| C029 | NDC31HJ-151X | C CAPACITOR | 150pF 50V J |
| C030 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C031 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C032 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C034 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C035 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C036 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C037 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C038 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C039 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C040 | NDC31HJ-330X | C CAPACITOR | 33pF 50V J |
| C041 | NDC31HJ-270X | C CAPACITOR | 27pF 50V J |
| C042 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C043 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C045 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C046 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C047 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C048 | NEH71CM-476X | E CAPACITOR | 47uF 16V M |
| C049 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C050 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C051 | NEH71CM-476X | E CAPACITOR | 47uF 16V M |
| C052 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C053 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C054 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C055 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C056 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C057 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C059 | NEH71CM-106X | E CAPACITOR | 10uF 16V M |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| C060 | NEH71CM-106X | E CAPACITOR | 10uF 16V M |
| C061 | NEH71CM-106X | E CAPACITOR | 10uF 16V M |
| C062 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| C066 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C067 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C191 | NEH71CM-476X | E CAPACITOR | 47uF 16V M |
| C192 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C193 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C194 | NCB31CK-104X | C CAPACITOR | 0.1uF 16V K |
| C195 | NEH70JM-107X | E CAPACITOR | 100uF 6.3V M |
| C196 | NCB11CK-225X | C CAPACITOR | 2.2uF 16V K |
| C197 | NEH70GM-227X | E CAPACITOR | 220uF 4V M |
| C201 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J |
| C202 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J |
| C203 | NDC31HJ-331X | C CAPACITOR | 330pF 50V J |
| C204 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C205 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K |
| C206 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K |
| C207 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K |
| C208 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C209 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K |
| C210 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C211 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K |
| C212 | NCB31HK-473X | C CAPACITOR | 0.047uF 50V K |
| C213 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C214 | NCB31AK-334X | C CAPACITOR | 0.33uF 10V K |
| C215 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C219 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C220 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C221 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C222 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C223 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C224 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C225 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J |
| C226 | NDC31HJ-220X | C CAPACITOR | 22pF 50V J |
| C227 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C228 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C229 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C230 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C231 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C301 | NEH71HM-105X | E CAPACITOR | 1uF 50V M |
| C303 | NDC31HJ-270X | C CAPACITOR | 27pF 50V J |
| C304 | NDC31HJ-270X | C CAPACITOR | 27pF 50V J |
| C305 | NEH71HM-105X | E CAPACITOR | 1uF 50V M |
| C306 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C307 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C308 | NEH71HM-105X | E CAPACITOR | 1uF 50V M |
| C309 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C311 | NDC31HJ-150X | C CAPACITOR | 15pF 50V J |
| C312 | NCB31HK-562X | C CAPACITOR | 5600pF 50V K |
| C313 | NCB31HK-333X | C CAPACITOR | 0.033uF 50V K |
| C314 | NCB31HK-333X | C CAPACITOR | 0.033uF 50V K |
| C315 | NCB31AK-334X | C CAPACITOR | 0.33uF 10V K |
| C319 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C320 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C321 | NCB31HK-103X | C CAPACITOR | 0.01uF 50V K |
| C322 | NEH71HM-335X | E CAPACITOR | 3.3uF 50V M |
| C323 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C324 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C325 | NEH71HM-105X | E CAPACITOR | 1uF 50V M |
| C329 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C330 | NEH71CM-106X | E CAPACITOR | 10uF 16V M |
| C331 | NCB31HK-682X | C CAPACITOR | 6800pF 50V K |
| C332 | NCB31HK-104X | C CAPACITOR | 0.1uF 50V K |
| C333 | NEH71CM-106X | E CAPACITOR | 10uF 16V M |
| C334 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C335 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C336 | NDC31HJ-561X | C CAPACITOR | 560pF 50V J |
| C901 | NEH71CM-106X | E CAPACITOR | 10uF 16V M |
| C902 | NEH71CM-106X | E CAPACITOR | 10uF 16V M |
| C903 | NEH71CM-106X | E CAPACITOR | 10uF 16V M |
| C904 | NEH71CM-106X | E CAPACITOR | 10uF 16V M |
| C905 | NEH71CM-106X | E CAPACITOR | 10uF 16V M |
| C906 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C907 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C908 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C909 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C910 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J |
| C911 | NEH71CM-106X | E CAPACITOR | 10uF 16V M |
| C912 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C913 | NCF31AZ-105X | C CAPACITOR | 1uF 10V Z |
| C914 | NDC31HJ-471X | C CAPACITOR | 470pF 50V J |
| C915 | NEH71CM-106X | E CAPACITOR | 10uF 16V M |
| C916 | NEH71CM-106X | E CAPACITOR | 10uF 16V M |
| C917 | NEH71CM-106X | E CAPACITOR | 10uF 16V M |
| C918 | NEH71CM-106X | E CAPACITOR | 10uF 16V M |

| ⚠Ref No. | Part No. | Part Name | Description Local |
|---|---|---|---|
| R001 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R002 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R003 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R004 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R005 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R006 | NRSA63J-152X | MG RESISTOR | 1.5kΩ 1/16W J |
| R007 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R008 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R009 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R010 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R011 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R012 | NRSA63J-273X | MG RESISTOR | 27kΩ 1/16W J |
| R013 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R014 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R015 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R016 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R017 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R018 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R019 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R020 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R022 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R024 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R027 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R030 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R032 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R034 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R035 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R036 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R037 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R038 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R042 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R043 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R044 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R054 | NRSA63J-390X | MG RESISTOR | 39Ω 1/16W J |
| R055 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R057 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R058 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R059 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R060 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R061 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R087 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R089 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R090 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R095 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R096 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R097 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R098 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R110 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R111 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R112 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R113 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R114 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R115 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R116 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R124 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R125 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R126 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R127 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R128 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R129 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R130 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R131 | NRSA63J-823X | MG RESISTOR | 82kΩ 1/16W J |
| R132 | NRSA63J-104X | MG RESISTOR | 100kΩ 1/16W J |
| R133 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R134 | NRSA63J-473X | MG RESISTOR | 47kΩ 1/16W J |
| R135 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J |
| R136 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R137 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R138 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R139 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J |
| R147 | NRSA63J-472X | MG RESISTOR | 4.7kΩ 1/16W J |
| R151 | NRSA63J-183X | MG RESISTOR | 18kΩ 1/16W J |
| R152 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R153 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R154 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R155 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R156 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J |
| R158 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |
| R165 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R166 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J |
| R167 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R169 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R170 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R171 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R172 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J |
| R173 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J |
| R174 | NRSA63J-221X | MG RESISTOR | 220Ω 1/16W J |

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| R177 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R201 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R202 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R203 | NRSA63J-750X | MG RESISTOR | 75Ω 1/16W J | |
| R204 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R205 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R206 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R207 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R208 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R209 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R210 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R211 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R212 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R213 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R214 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R215 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R216 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R217 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R301 | NRSA63J-562X | MG RESISTOR | 5.6kΩ 1/16W J | |
| R302 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R303 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R304 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R305 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R306 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R309 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R310 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R311 | NRSA63J-683X | MG RESISTOR | 68kΩ 1/16W J | |
| R314 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R315 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R318 | NRSA63J-223X | MG RESISTOR | 22kΩ 1/16W J | |
| R319 | NRSA63J-222X | MG RESISTOR | 2.2kΩ 1/16W J | |
| R320 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R321 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R322 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R323 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R324 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R325 | NRSA63J-563X | MG RESISTOR | 56kΩ 1/16W J | |
| R327 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R328 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R329 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R330 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R331 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R332 | NRSA63J-101X | MG RESISTOR | 100Ω 1/16W J | |
| R333 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R334 | NRSA63J-103X | MG RESISTOR | 10kΩ 1/16W J | |
| R336 | NRSA63J-182X | MG RESISTOR | 1.8kΩ 1/16W J | |
| R337 | NRSA63J-682X | MG RESISTOR | 6.8kΩ 1/16W J | |
| R338 | NRSA63J-332X | MG RESISTOR | 3.3kΩ 1/16W J | |
| R339 | NRSA63J-102X | MG RESISTOR | 1kΩ 1/16W J | |
| R341 | NRSA63J-272X | MG RESISTOR | 2.7kΩ 1/16W J | |
| R342 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| R343 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J | |
| R344 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R345 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R346 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J | |
| R347 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R348 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R349 | NRSA63J-330X | MG RESISTOR | 33Ω 1/16W J | |
| R350 | NRSA63J-151X | MG RESISTOR | 150Ω 1/16W J | |
| R351 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R352 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R353 | NRSA63J-271X | MG RESISTOR | 270Ω 1/16W J | |
| R354 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R355 | NRSA63J-471X | MG RESISTOR | 470Ω 1/16W J | |
| R356 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R357 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| R358 | NRSA63J-470X | MG RESISTOR | 47Ω 1/16W J | |
| RA001 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 | |
| RA002 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 | |
| RA003 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 | |
| RA004 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 | |
| RA005 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 | |
| RA006 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 | |
| RA007 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 | |
| RA008 | NRZ0040-0R0X | NET RESISTOR | 0Ω 1/16W J x4 | |
| L001 | NQL092K-4R7X | P COIL | 4.7uH K | |
| L003 | NQL092K-4R7X | P COIL | 4.7uH K | |
| L005 | NQL092K-4R7X | P COIL | 4.7uH K | |
| L006 | NQL092K-4R7X | P COIL | 4.7uH K | |
| L007 | NQL092K-4R7X | P COIL | 4.7uH K | |
| L008 | NQL092K-4R7X | P COIL | 4.7uH K | |
| L009 | NQL034K-4R7X | COIL | 4.7uH K | |
| L010 | NQL092K-4R7X | P COIL | 4.7uH K | |
| L011 | NQL092K-4R7X | P COIL | 4.7uH K | |
| L012 | NQL092K-4R7X | P COIL | 4.7uH K | |
| L013 | NQL092K-4R7X | P COIL | 4.7uH K | |
| L014 | NQL092K-4R7X | P COIL | 4.7uH K | |
| L015 | NQL034K-4R7X | COIL | 4.7uH K | |
| L016 | NQL034K-4R7X | COIL | 4.7uH K | |
| L020 | NQL092K-1R5X | P COIL | 1.5uH K | |
| L021 | NQL092K-1R5X | P COIL | 1.5uH K | |
| L201 | NQL092K-3R3X | P COIL | 3.3uH K | |
| L202 | NQL092K-3R3X | P COIL | 3.3uH K | |
| L203 | NQL092K-3R3X | P COIL | 3.3uH K | |
| L301 | NQL034K-100X | P COIL | 10uH K | |
| L901 | NQL034K-100X | P COIL | 10uH K | |
| L902 | NQL034K-100X | P COIL | 10uH K | |
| L903 | NQL034K-100X | P COIL | 10uH K | |
| L904 | NQL034K-100X | P COIL | 10uH K | |
| K001 | NQR0389-003X | FERRITE BEADS | | |
| K002 | NQR0389-003X | FERRITE BEADS | | |
| K003 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| LC001 | NQR0415-003X | EMI FILTER | 0.47uF 16V M | |
| LC002 | NQR0415-003X | EMI FILTER | 0.47uF 16V M | |
| Y304 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| Y305 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| Y901 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| Y902 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| Y903 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |
| Y904 | NRSA63J-0R0X | MG RESISTOR | 0Ω 1/16W J | |

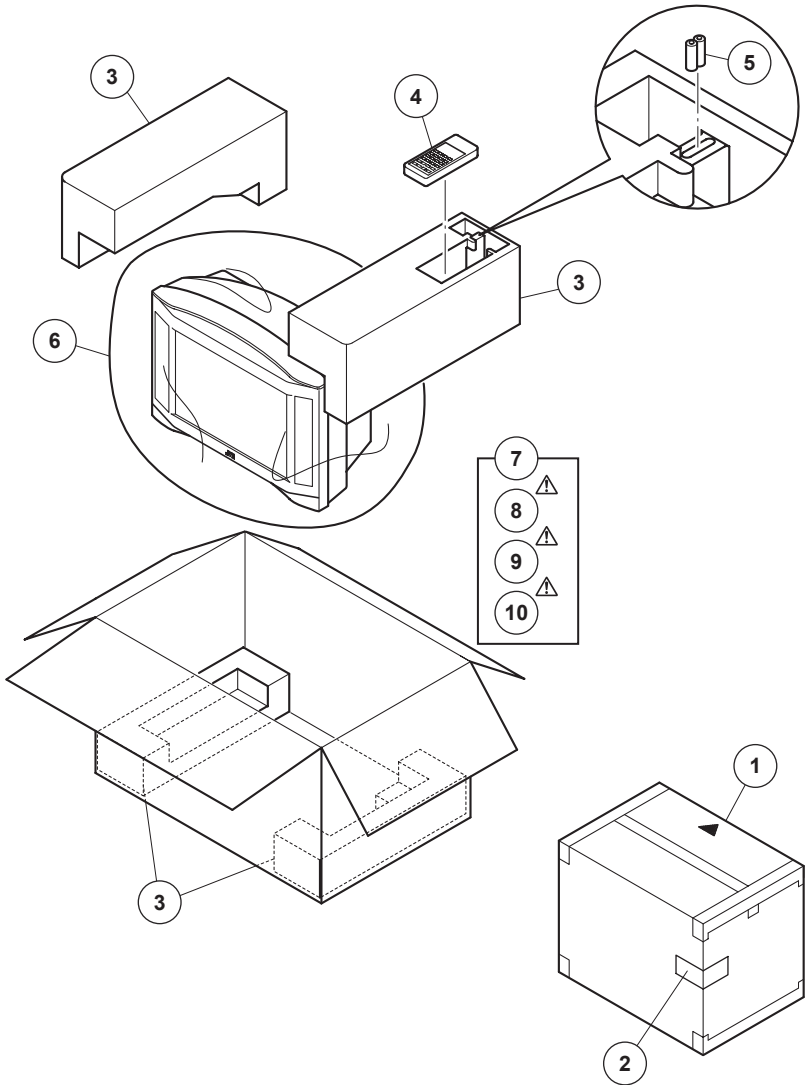
# [AV-32X37SUE / AV-32H35SUE / AV-32X35HUE] REMOTE CONTROL UNIT PARTS LIST (RM-C54H-1C)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| | 2AA030650 | BATTERY COVER | | |
| | 2AA030641 | SLIDE COVER | | |

# [AV-32X37HKE / AV-32X35HKE / AV-32X35HIE] REMOTE CONTROL UNIT PARTS LIST (RM-C55H-1C)

| ⚠Ref No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|
| | 2AA030650 | BATTERY COVER | | |
| | 2AA030642 | SLIDE COVER | | |

# PACKING




# PACKING PARTS LIST

| ⚠ | Ref.No. | Part No. | Part Name | Description | Local |
|---|---|---|---|---|---|
| | 1 | AEM1002-B79-E | PACKING CASE | | 32X35HUE |
| | 1 | AEM1002-A79-E | PACKING CASE | | 32H35SUE / 32X35HKE / 32X37HIE / 32X37HKE / 32X37SUE |
| | 2 | AEM1064-050-E | EURO LABEL | | 32X35HKE |
| | 2 | AEM1064-056-E | EURO LABEL | | 32X35HUE |
| | 2 | AEM1064-052-E | EURO LABEL | | 32X37HIE |
| | 2 | AEM1064-006-E | EURO LABEL | | 32H35SUE / 32X37HKE / 32X37SUE |
| | 3 | LC11373-002C-U | CUSHION ASSY | 4pcs in 1set | 32X35HUE |
| | 3 | LC11373-002B-U | CUSHION ASSY | 4pcs in 1set | 32H35SUE / 32X35HKE / 32X37HIE / 32X37HKE / 32X37SUE |
| | 4 | RM-C55H-1C | RC HAND UNIT | | 32X35HKE / 32X37HIE / 32X37HKE |
| | 4 | RM-C54H-1C | RC HAND UNIT | | 32H35SUE / 32X35HUE / 32X37SUE |
| | 5 | ---------- | BATTERY | AAA/R03(x2) | |
| | 6 | AEM1047-A02-E | FORM BAG | | |
| | 7 | AEM3021-003A-E | DOCUMENT BAGS | | |
| ⚠ | 8 | LCT1382-001A-U | INST BOOK | English, German, French, Spanish, Italian, Dutch | 32X35HUE |
| ⚠ | 8 | LCT1333-001A-U | INST BOOK | English | 32X37HIE / 32X37HKE |
| ⚠ | 8 | LCT1330-001A-U | INST BOOK | English, German, French, Spanish, Italian, Dutch | 32X37SUE |
| ⚠ | 8 | LCT1381-001A-U | INST BOOK | Russian, Hungarian, Czech, Polish, Romanian | 32H35SUE |
| ⚠ | 8 | LCT1359-001A-U | INST BOOK | English | 32X35HKE |
| ⚠ | 9 | LCT1383-001A-U | INST BOOK | Danish, Finn, Swedish, Norwegian | 32X35HUE |
| ⚠ | 9 | LCT1331-001A-U | INST BOOK | Danish, Finn, Swedish, Norwegian | 32X37SUE |
| ⚠ | 10 | LCT1384-001A-U | INST BOOK | Russian, Hungarian, Czech, Polish, Romanian | 32X35HUE |
| ⚠ | 10 | LCT1332-001A-U | INST BOOK | Russian, Hungarian, Czech, Polish, Romanian | 32X37SUE |

JVC

# SCHEMATIC DIAGRAMS

## COLOUR TELEVISION

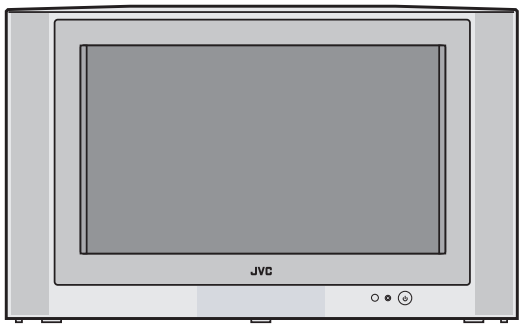
# AV-32X37SUE, AV-32X37HKE, AV-32X37HIE, AV-32X35HUE, AV-32X35HKE, AV-32H35SUE

| BASIC CHASSIS |
| --- |
| ML |

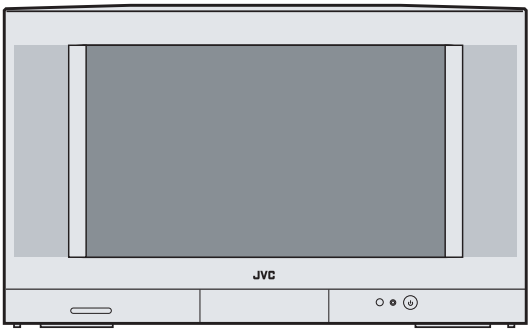
**CD-ROM No.SML200305**

InteríArt
Natural Vision
T-V LINK

**<RM-C54H>**
**<RM-C55H>**



**AV-32X35HUE**
**AV-32X35HKE**
**AV-32H35SUE**



**AV-32X37SUE**
**AV-32X37HKE**
**AV-32X37HIE**

COPYRIGHT © 2003 VICTOR COMPANY OF JAPAN, LTD.

**No.52107SCH**
**2003/04**

# AV-32X37SUE, AV-32X37HKE, AV-32X35HKE, AV-32X37HIE, AV-32H35SUE, AV-32X35HUE

# STANDARD CIRCUIT DIAGRAM

## ■ NOTE ON USING CIRCUIT DIAGRAMS

### 1.SAFETY

**The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety critical components only with manufactures recommended parts.**

### 2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

| | |
|---|---|
| (1)Input signal | : Colour bar signal |
| (2)Setting positions of each knob/button and variable resistor | : Original setting position when shipped |
| (3)Internal resistance of tester | :DC 20kΩ /V |
| (4)Oscilloscope sweeping time | :H ⇒ 20µs/div<br>:V ⇒ 5ms/div<br>:Others ⇒ Sweeping time is specified |
| (5)Voltage values | :All DC voltage values |

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

### 3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board :R1209 → R209

### 4.INDICATIONS ON THE CIRCUIT DIAGRAM

**(1)Resistors**

● Resistance value

| | |
|---|---|
| No unit | :[ Ω ] |
| K | :[k Ω ] |
| M | :[M Ω ] |

● Rated allowable power

| | |
|---|---|
| No indication | :1/ 16 [W] |
| Others | :As specified |

● Type

| | |
|---|---|
| No indication | :Carbon resistor |
| OMR | :Oxide metal film resistor |
| MFR | :Metal film resistor |
| MPR | :Metal plate resistor |
| UNFR | :Uninflammable resistor |
| FR | :Fusible resistor |

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

**(2)Capacitors**

● Capacitance value

| | |
|---|---|
| 1 or higher | :[pF] |
| less than 1 | :[µF] |

● Withstand voltage

| | |
|---|---|
| No indication | :DC50[V] |
| Others | :DC withstand voltage [V] |
| AC indicated | :AC withstand voltage [V] |

∗ Electrolytic Capacitors

47/50[Example]:Capacitance value [µF]/withstand voltage[V]

● Type

| | |
|---|---|
| No indication | :Ceramic capacitor |
| MM | :Metalized mylar capacitor |
| PP | :Polypropylene capacitor |
| MPP | :Metalized polypropylene capacitor |
| MF | :Metalized film capacitor |
| TF | :Thin film capacitor |
| BP | :Bipolar electrolytic capacitor |
| TAN | :Tantalum capacitor |

**(3)Coils**

| | |
|---|---|
| No unit | :[µH] |
| Others | :As specified |

**(4)Power Supply**

:B1 :B2 (12V)

:9V :5V

∗ Respective voltage values are indicated

**(5)Test point**

:Test point :Only test point display

**(6)Connecting method**

:Connector :Wrapping or soldering

:Receptacle

**(7)Ground symbol**

:LIVE side ground

:ISOLATED(NEUTRAL) side ground

:EARTH ground

:DIGITAL ground

### 5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND.Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. If the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus ( oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected , a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

**NOTE**

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
**When ordering parts, please use the numbers that appear in the Parts List.**



AV-32X37SUE AV-32X37HKE
AV-32X35HKE AV-32X37HIE
AV-32H35SUE AV-32X35HUE

# CONTENTS

**SEMICONDUCTOR SHAPES ..... 2-2**
**BLOCK DIAGRAM ..... 2-3**
**CIRCUIT DIAGRAMS**
MAIN PWB CIRCUIT DIAGRAM ..... 2-5
POWER & DEF PWB CIRCUIT DIAGRAM ..... 2-9
100Hz PWB CIRCUIT DIAGRAM ..... 2-11
CRT SOCKET PWB CIRCUIT DIAGRAM ..... 2-15
FRONT CONTROL PWB CIRCUIT DIAGRAM ..... 2-17
SIDE CONTROL PWB CIRCUIT DIAGRAM ..... 2-19
AV JACK PWB CIRCUIT DIAGRAM ..... 2-21
**PATTERN DIAGRAMS**
MAIN PWB PATTERN ..... 2-23
POWER & DEF PWB PATTERN ..... 2-25
100Hz PWB PATTERN ..... 2-27
CRT SOCKET PWB PATTERN ..... 2-29
FRONT CONTROL PWB PATTERN ..... 2-29
SIDE CONTROL PWB PATTERN ..... 2-30
AV JACK PWB PATTERN ..... 2-30

## USING P.W. BOARD

| P.W.B ASS'Y | AV-32X37SUE | AV-32X37HKE | AV-32X35HKE | AV-32X37HIE | AV-32H35SUE | AV-32X35HUE |
|---|---|---|---|---|---|---|
| MAIN PWB | SML-1001A-U2 | SML-1901A-U2 | ← | SML-1001A-U2 | ← | ← |
| POWER & DEF PWB | SML-2001A-U2 | ← | ← | ← | ← | ← |
| 100Hz PWB | SML0Z001A-U2 | ← | ← | ← | SML0Z002-U2 | ← |
| CRT SOCKET PWB | SML-3001A-U2 | ← | ← | ← | ← | ← |
| FRONT CONTROL PWB | SML-8001A-U2 | ← | ← | ← | ← | ← |
| SIDE CONTROL PWB | SML-8101A-U2 | ← | ← | ← | ← | ← |
| AV JACK PWB | SML0J001A-U2 | ← | ← | ← | ← | ← |

## SEMICONDUCTOR SHAPES

### TRANSISTOR

| BOTTOM VIEW | FRONT VIEW | | | | TOP VIEW |
|---|---|---|---|---|---|
| E C B | E C B | B C E (G)(D)(S) | E C B | E C B | CHIP TR C B E |

### IC

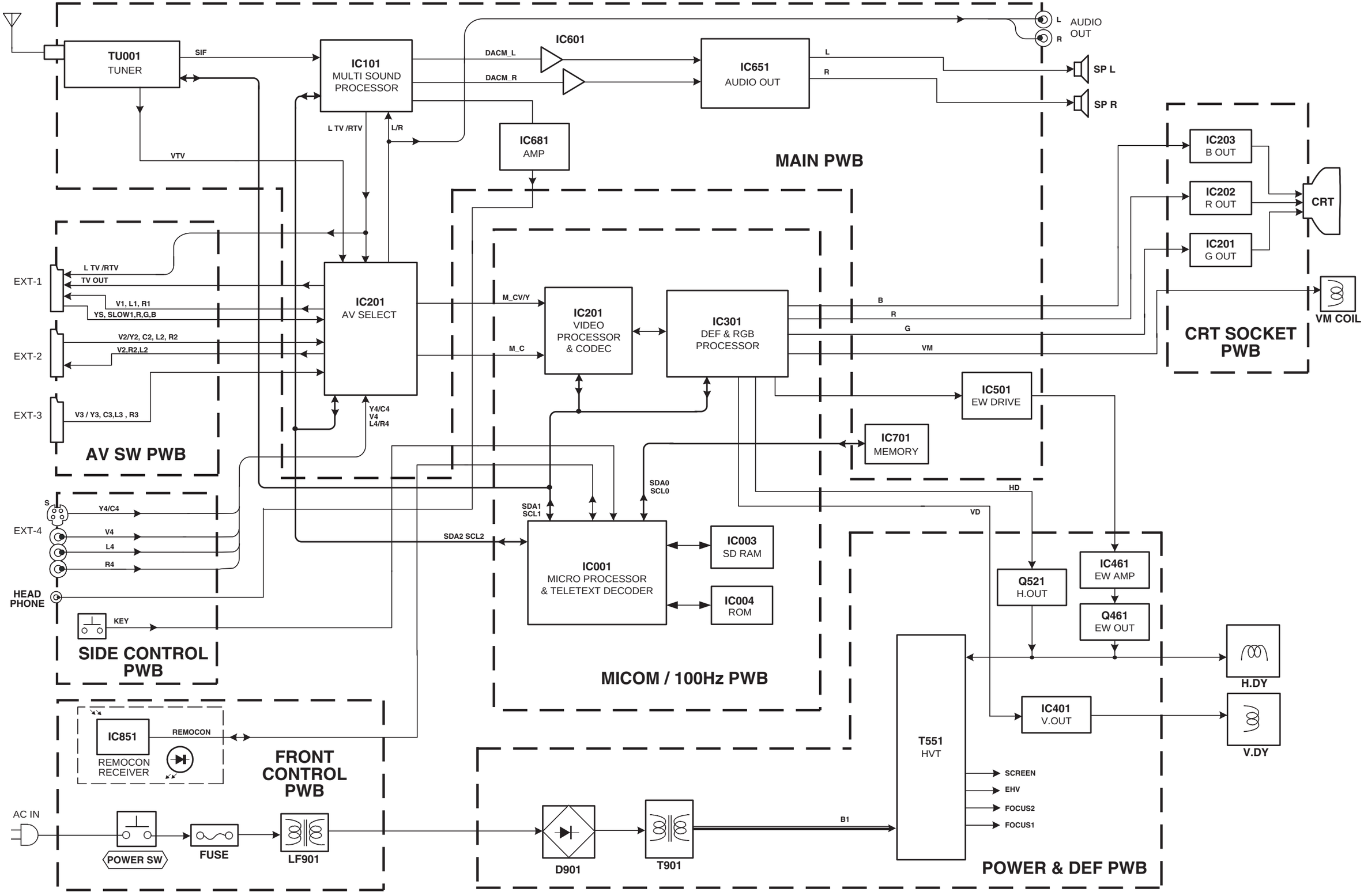
| BOTTOM VIEW | FRONT VIEW | | | TOP VIEW |
|---|---|---|---|---|
| OUT E IN | IN E OUT | 1 → N | 1 → N | 1 N |

### CHIP IC

| TOP VIEW | | |
|---|---|---|
| N N N N 1 | 1 N | |

AV-32X37SUE AV-32X37HKE
AV-32X35HKE AV-32X37HIE
AV-32H35SUE AV-32X35HUE

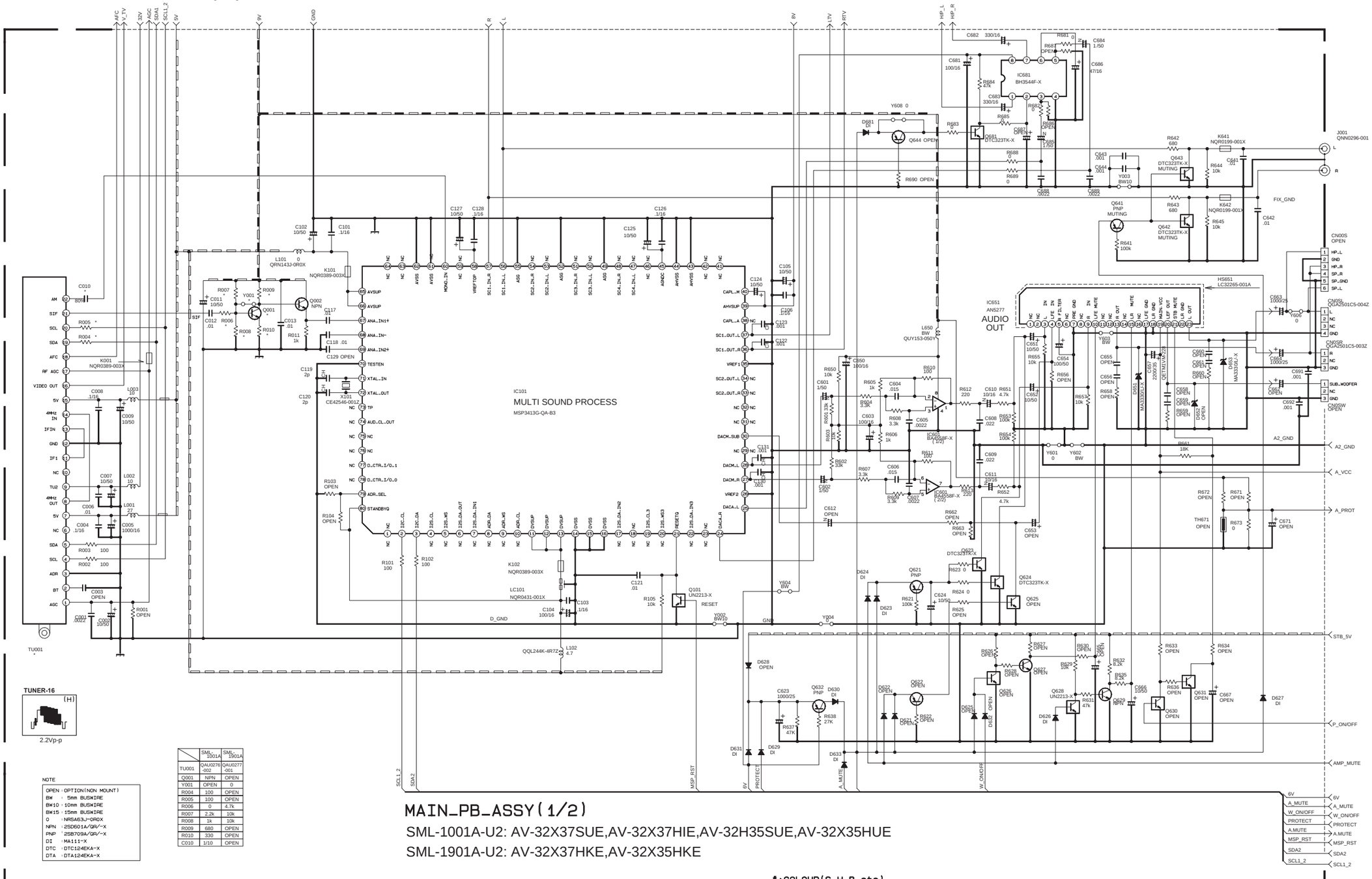
# BLOCK DIAGRAM



AV-32X37SUE AV-32X37HKE
AV-32X35HKE AV-32X37HIE
AV-32H35SUE AV-32X35HUE

# CIRCUIT DIAGRAMS

## *MAIN PWB CIRCUIT DIAGRAM (1/2) SHEET 1*




NOTE

OPEN : OPTION(NON MOUNT)
BW : 5mm BUSWIRE
BW10 : 10mm BUSWIRE
BW15 : 15mm BUSWIRE
0 : NRSA63J-0R0X
NPN : 2SD601A/QR/-X
PNP : 2SB709A/QR/-X
DI : MA111-X
DTC : DTC124EKA-X
DTA : DTA124EKA-X

| | SML-1001A | SML-1901A |
|---|---|---|
| TU001 | QAU0276-002 | QAU0277-001 |
| Q001 | NPN | OPEN |
| Y001 | OPEN | 0 |
| R004 | 100 | OPEN |
| R005 | 100 | OPEN |
| R006 | 0 | 4.7k |
| R007 | 2.2k | 10k |
| R008 | 1k | 10k |
| R009 | 680 | OPEN |
| R010 | 330 | OPEN |
| C010 | 1/10 | OPEN |

## MAIN_PB_ASSY(1/2)

SML-1001A-U2: AV-32X37SUE,AV-32X37HIE,AV-32H35SUE,AV-32X35HUE
SML-1901A-U2: AV-32X37HKE,AV-32X35HKE

#:COLOUR(S,H,B,etc)

| PIN NO. | VOLTAGE (V) |
|---|---|
| IC101 | |
| 1 | 0 |
| 2 | 4.4 |
| 3 | 4.4 |
| 4 | 1.1 |
| 5 | 1.1 |
| 6 | 1.0 |
| 7 | 1.1 |
| 8 | 1.1 |
| 9 | 1.1 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 10 | 1.1 |
| 11 | 4.8 |
| 12 | 4.8 |
| 13 | 4.8 |
| 14 | 0 |
| 15 | 0 |
| 16 | 0 |
| 17 | 1.1 |
| 18 | 0 |
| 19 | 0 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 20 | 0 |
| 21 | 4.8 |
| 22 | 0 |
| 23 | 0 |
| 24 | 0 |
| 25 | 0 |
| 26 | 0 |
| 27 | 0 |
| 28 | 0 |
| 29 | 0 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 30 | 0 |
| 31 | 0 |
| 32 | 0 |
| 33 | 3.7 |
| 34 | 3.7 |
| 35 | 0 |
| 36 | 3.7 |
| 37 | 3.7 |
| 38 | 7.0 |
| 39 | 8.0 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 40 | 7.1 |
| 41 | 0 |
| 42 | 0 |
| 43 | 0 |
| 44 | 0 |
| 45 | 3.6 |
| 46 | 0 |
| 47 | 3.6 |
| 48 | 3.7 |
| 49 | 0 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 50 | 3.7 |
| 51 | 3.7 |
| 52 | 0 |
| 53 | 3.7 |
| 54 | 3.7 |
| 55 | 0 |
| 56 | 4.3 |
| 57 | 4.3 |
| 58 | 2.5 |
| 59 | 0 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 60 | 3.7 |
| 61 | 0 |
| 62 | 0 |
| 63 | 0 |
| 64 | 0 |
| 65 | 4.8 |
| 66 | 4.8 |
| 67 | 4.8 |
| 68 | 1.4 |
| 69 | 1.4 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 70 | 0 |
| 71 | - |
| 72 | - |
| 73 | 2.3 |
| 74 | 2.4 |
| 75 | 0 |
| 76 | 0 |
| 77 | 0 |
| 78 | 0 |
| 79 | 2.4 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 80 | 4.8 |
| IC601 | |
| 1 | 4.4 |
| 2 | 4.4 |
| 3 | 0 |
| 4 | 0 |
| 5 | 4.3 |
| 6 | 4.4 |
| 7 | 4.4 |
| 8 | 8.8 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| IC651 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 28.7 |
| 6 | - |
| 7 | 0 |
| 8 | - |
| 9 | 0 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 10 | - |
| 11 | 0 |
| 12 | - |
| 13 | 14.3 |
| 14 | - |
| 15 | 0.5 |
| 16 | - |
| 17 | 0 |
| 18 | - |
| 19 | 30 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 20 | - |
| 21 | 16.2 |
| 22 | - |
| 23 | 0 |
| Q001 | |
| E | 2.0 |
| B | 2.6 |
| C | 4.5 |
| Q002 | |
| E | 3.8 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| B | 4.5 |
| C | 8.8 |
| Q101 | |
| E | 0 |
| B | 0 |
| C | 4.8 |
| Q621 | |
| E | 0.1 |
| B | 0 |
| C | -0.6 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| Q622 | - |
| Q623 | |
| E | 0 |
| B | -0.6 |
| C | 0 |
| Q624 | |
| E | 0 |
| B | -0.6 |
| C | 0 |
| Q628 | |

| PIN NO. | VOLTAGE (V) |
|---|---|
| E | 0 |
| B | 0.1 |
| C | 3.8 |
| Q629 | |
| E | 0 |
| B | 0.5 |
| C | 0 |
| Q632 | |
| E | 5.1 |
| B | 5.5 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| C | -2.2 |
| Q641 | |
| E | -0.2 |
| B | 0 |
| C | -0.7 |
| Q642 | |
| E | 0 |
| B | -0.6 |
| C | 4.0 |
| Q643 | |

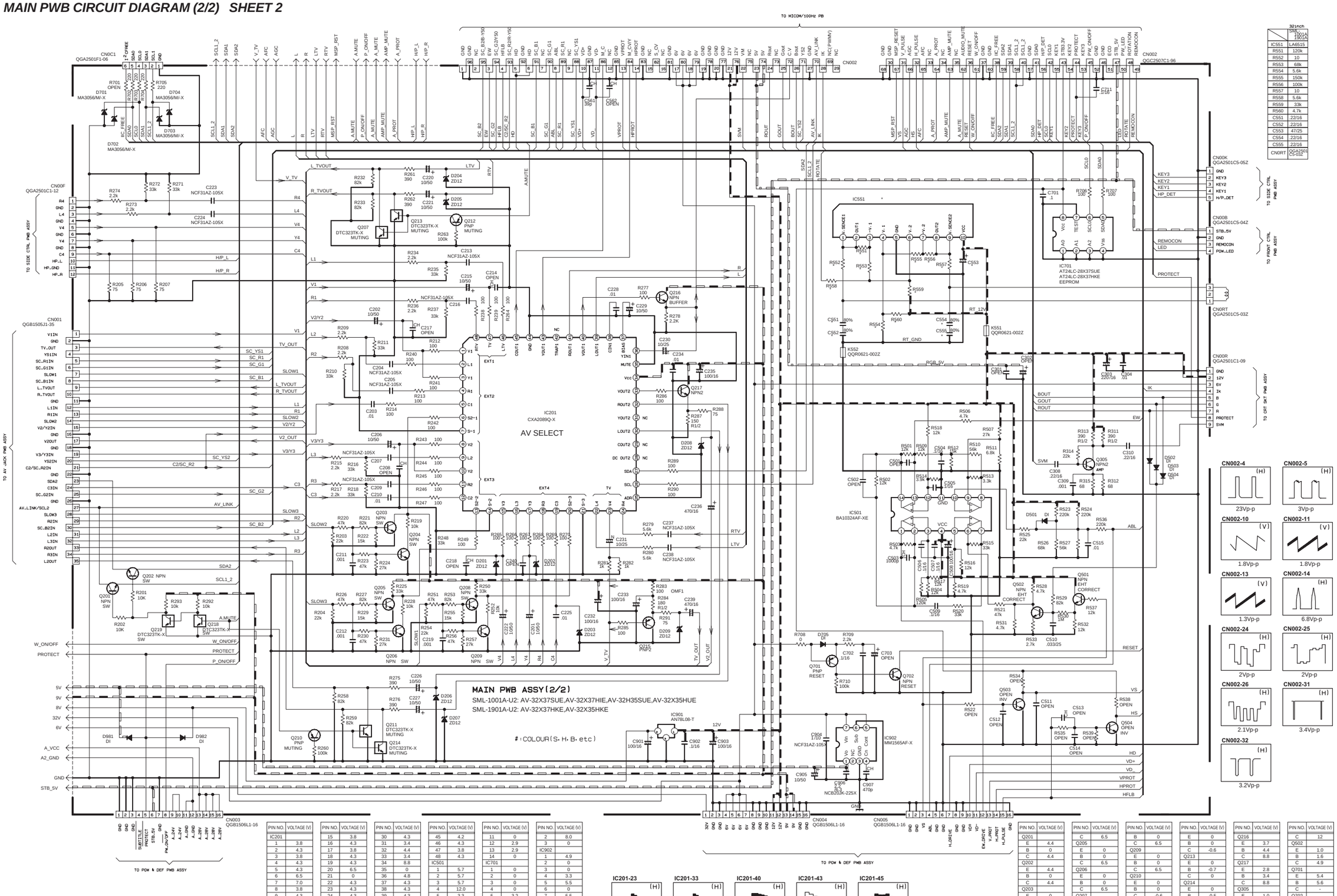
| PIN NO. | VOLTAGE (V) |
|---|---|
| E | 0 |
| B | -0.6 |
| C | 4.1 |
| TU001 | |
| 1 | 1.7 |
| 2 | 3.3 |
| 3 | 0 |
| 4 | 4.4 |
| 5 | 4.4 |
| 6 | 0 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 7 | 4.7 |
| 8 | 0 |
| 9 | 31.7 |
| 10 | 0 |
| 11 | 2.3 |
| 12 | 0 |
| 13 | 2.4 |
| 14 | 0 |
| 15 | 4.8 |
| 16 | 1.3 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 17 | 1.7 |
| 18 | 0 |
| 19 | 4.4 |
| 20 | 4.4 |
| 21 | 1.9 |
| 22 | 2.6 |

AV-32X37SUE AV-32X37HKE
AV-32X35HKE AV-32X37HIE
AV-32H35SUE AV-32X35HUE

## *MAIN PWB CIRCUIT DIAGRAM (2/2) SHEET 2*



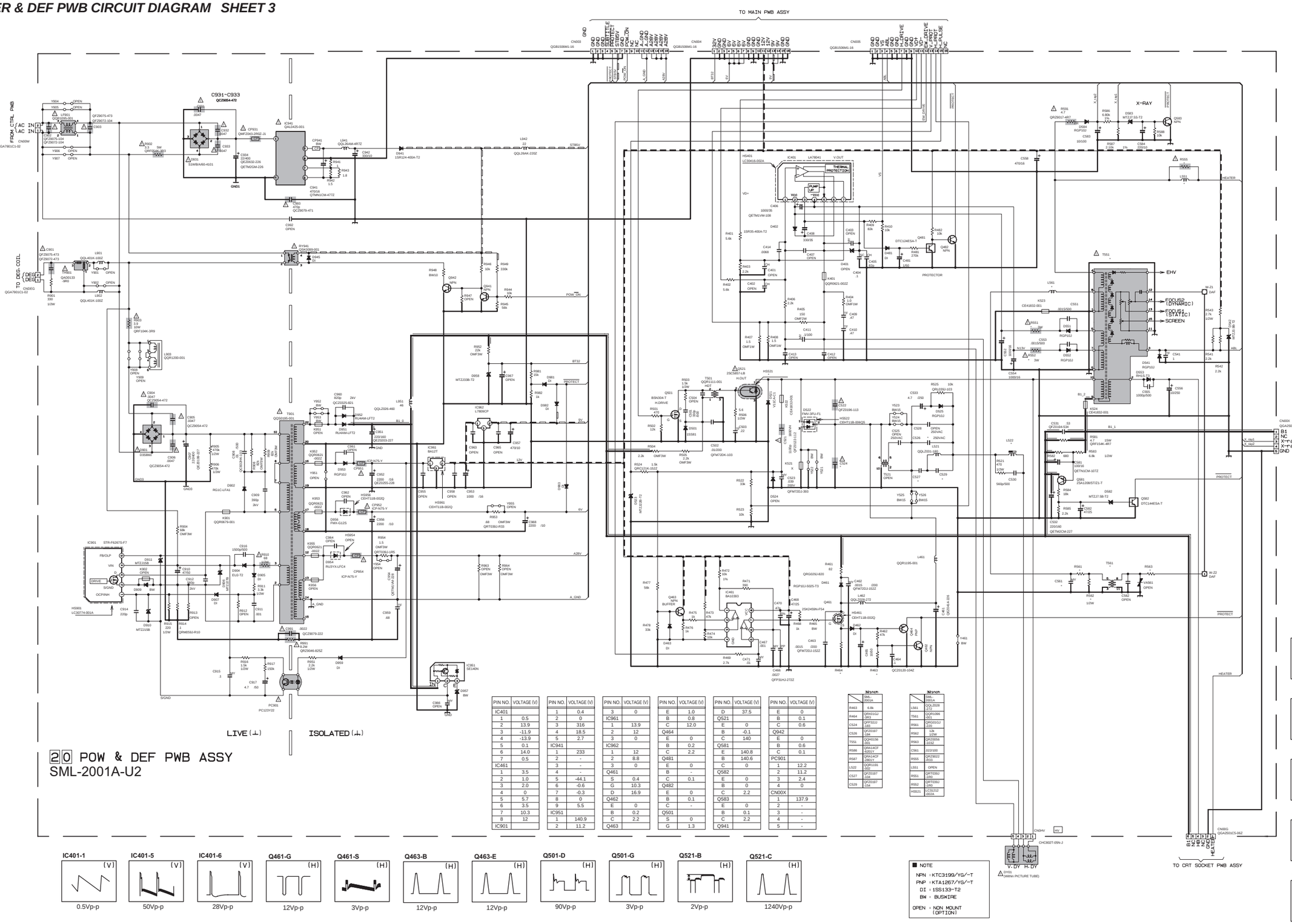

| 32inch | SML-1001A 1901A |
|---|---|
| IC551 | LA6515 |
| R551 | 120k |
| R552 | 10 |
| R553 | 68k |
| R554 | 5.6k |
| R555 | 150k |
| R556 | 100k |
| R557 | 10 |
| R558 | 5.6k |
| R559 | 33k |
| R560 | 4.7k |
| C551 | 22/16 |
| C552 | 22/16 |
| C553 | 47/25 |
| C554 | 22/16 |
| C555 | 22/16 |
| CNORT | QGA2501C5-03Z |

| PIN NO. | VOLTAGE (V) |
|---|---|
| IC201 | |
| 1 | 3.8 |
| 2 | 4.3 |
| 3 | 3.8 |
| 4 | 4.3 |
| 5 | 4.3 |
| 6 | 6.5 |
| 7 | 7.0 |
| 8 | 3.8 |
| 9 | 4.3 |
| 10 | 3.8 |
| 11 | 0 |
| 12 | 4.3 |
| 13 | 6.5 |
| 14 | 0 |
| 15 | 3.8 |
| 16 | 4.3 |
| 17 | 3.8 |
| 18 | 4.3 |
| 19 | 4.3 |
| 20 | 6.5 |
| 21 | 0 |
| 22 | 4.3 |
| 23 | 4.3 |
| 24 | 4.3 |
| 25 | 0 |
| 26 | 4.4 |
| 27 | 4.4 |
| 28 | 4.3 |
| 29 | 4.2 |
| 30 | 4.3 |
| 31 | 3.4 |
| 32 | 4.4 |
| 33 | 3.4 |
| 34 | 8.8 |
| 35 | 0 |
| 36 | 4.8 |
| 37 | 4.3 |
| 38 | 4.3 |
| 39 | 4.3 |
| 40 | 4.4 |
| 41 | 4.3 |
| 42 | 0 |
| 43 | 4.1 |
| 44 | 0 |
| 45 | 4.2 |
| 46 | 4.3 |
| 47 | 3.8 |
| 48 | 4.3 |
| IC501 | |
| 1 | 5.7 |
| 2 | 5.7 |
| 3 | 5.7 |
| 4 | 12.0 |
| 5 | 3.3 |
| 6 | 3.3 |
| 7 | 2.2 |
| 8 | 2.5 |
| 9 | 0 |
| 10 | 2.4 |
| 11 | 0 |
| 12 | 2.9 |
| 13 | 2.9 |
| 14 | 0 |
| IC701 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 0 |
| 4 | 0 |
| 5 | 3.2 |
| 6 | 3.2 |
| 7 | 0 |
| 8 | 3.2 |
| IC901 | |
| 1 | 12 |
| 2 | 8.0 |
| 3 | 0 |
| IC902 | |
| 1 | 4.9 |
| 2 | 0 |
| 3 | 0 |
| 4 | 3.3 |
| 5 | 5.5 |
| 6 | 0 |
| 7 | 5.5 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| Q201 | |
| E | 4.4 |
| B | 0 |
| C | 4.4 |
| Q202 | |
| E | 4.4 |
| B | 0 |
| C | 4.4 |
| Q203 | |
| E | 0 |
| B | 0 |
| C | 6.5 |
| Q204 | |
| E | 0 |
| B | 0 |
| C | 6.5 |
| Q205 | |
| E | 0 |
| B | 0 |
| C | 6.5 |
| Q206 | |
| E | 0 |
| B | 0 |
| C | 6.5 |
| Q207 | |
| E | 0 |
| B | -0.8 |
| C | 0 |
| Q208 | |
| E | 0 |
| B | 0 |
| C | 6.5 |
| Q209 | |
| E | 0 |
| B | 0 |
| C | 6.5 |
| Q210 | |
| E | 0 |
| B | 0 |
| C | -0.6 |
| Q211 | |
| E | 0 |
| B | -0.6 |
| C | 0 |
| Q212 | |
| E | 0 |
| B | 0 |
| C | -0.6 |
| Q213 | |
| E | 0 |
| B | -0.7 |
| C | 0 |
| Q214 | |
| E | 0 |
| B | -0.5 |
| C | 0 |
| Q215 | |
| E | 2.0 |
| B | 1.3 |
| C | 0 |
| Q216 | |
| E | 3.7 |
| B | 4.4 |
| C | 8.8 |
| Q217 | |
| E | 2.8 |
| B | 3.4 |
| C | 8.8 |
| Q305 | |
| E | 1.0 |
| B | 1.7 |
| C | 5.8 |
| Q501 | |
| E | 0.1 |
| B | -1.2 |
| C | 12 |
| Q502 | |
| E | 1.0 |
| B | 1.6 |
| C | 4.9 |
| Q701 | |
| E | 5.4 |
| B | 5.6 |
| C | - |
| Q702 | |
| E | 0 |
| B | - |
| C | 3.4 |

AV-32X37SUE AV-32X37HKE
AV-32X35HKE AV-32X37HIE
AV-32H35SUE AV-32X35HUE

## *POWER & DEF PWB CIRCUIT DIAGRAM SHEET 3*




| PIN NO. | VOLTAGE (V) |
|---|---|
| IC401 | |
| 1 | 0.5 |
| 2 | 13.9 |
| 3 | -11.9 |
| 4 | -13.9 |
| 5 | 0.1 |
| 6 | 14.0 |
| 7 | 0.5 |
| IC461 | |
| 1 | 3.5 |
| 2 | 1.0 |
| 3 | 2.0 |
| 4 | 0 |
| 5 | 5.7 |
| 6 | 3.5 |
| 7 | 10.3 |
| 8 | 12 |
| IC901 | |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 1 | 0.4 |
| 2 | 0 |
| 3 | 316 |
| 4 | 18.5 |
| 5 | 2.7 |
| IC941 | |
| 1 | 233 |
| 2 | - |
| 3 | - |
| 4 | - |
| 5 | -44.1 |
| 6 | -0.6 |
| 7 | -0.3 |
| 8 | 0 |
| 9 | 5.5 |
| IC951 | |
| 1 | 140.9 |
| 2 | 11.2 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 3 | 0 |
| IC961 | |
| 1 | 13.9 |
| 2 | 12 |
| 3 | 0 |
| IC962 | |
| 1 | 12 |
| 2 | 8.8 |
| 3 | 0 |
| Q461 | |
| S | 0.4 |
| G | 10.3 |
| D | 16.9 |
| Q462 | |
| E | 0 |
| B | 0.2 |
| C | 2.2 |
| Q463 | |

| PIN NO. | VOLTAGE (V) |
|---|---|
| E | 1.0 |
| B | 0.8 |
| C | 12.0 |
| Q464 | |
| E | 0 |
| B | 0.2 |
| C | 2.2 |
| Q481 | |
| E | 0 |
| B | - |
| C | 0.1 |
| Q482 | |
| E | 0 |
| B | 0 |
| C | 2.2 |
| Q583 | |
| E | 0 |
| B | 0.1 |
| C | - |
| Q501 | |
| S | 0 |
| G | 1.3 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| D | 37.5 |
| Q521 | |
| E | 0 |
| B | -0.1 |
| C | 140 |
| Q581 | |
| E | 140.8 |
| B | 140.6 |
| C | 0 |
| Q582 | |
| E | 0 |
| B | 0 |
| C | 2.2 |
| Q583 | |
| E | 0 |
| B | 0.1 |
| C | 2.2 |
| Q941 | |

| PIN NO. | VOLTAGE (V) |
|---|---|
| E | 0 |
| B | 0.1 |
| C | 0.6 |
| Q942 | |
| E | 0 |
| B | 0.6 |
| C | 0.1 |
| PC901 | |
| 1 | 12.2 |
| 2 | 11.2 |
| 3 | 2.4 |
| 4 | 0 |
| CN00X | |
| 1 | 137.9 |
| 2 | - |
| 3 | - |
| 4 | - |
| 5 | - |

| 32inch | SML-2001A |
|---|---|
| R463 | 6.8k |
| R464 | QRG012J -393 |
| C524 | QFP102J -183 |
| C526 | QFP102J -184 |
| T551 | QQH0106 -001 |
| R586 | QRA14CF -6201Y |
| R587 | QRA14CF -2801Y |
| L522 | QQR1191 -002 |
| C527 | QF20197 -104 |
| C529 | QF20197 -154 |

| 32inch | SML-2001A |
|---|---|
| L561 | QQL3328 -272 |
| T561 | QQR1066 -001 |
| R561 | QRG012J -220 |
| R562 | 12k 1/2W |
| R563 | QRZ0056 -1032 |
| C561 | 0.022/100 |
| R555 | QRZ0022 -R33 |
| L551 | OPEN |
| R551 | QRT039J -1R0 |
| R552 | QRT039J -1R0 |
| HIS521 | LC3U212 -002A |

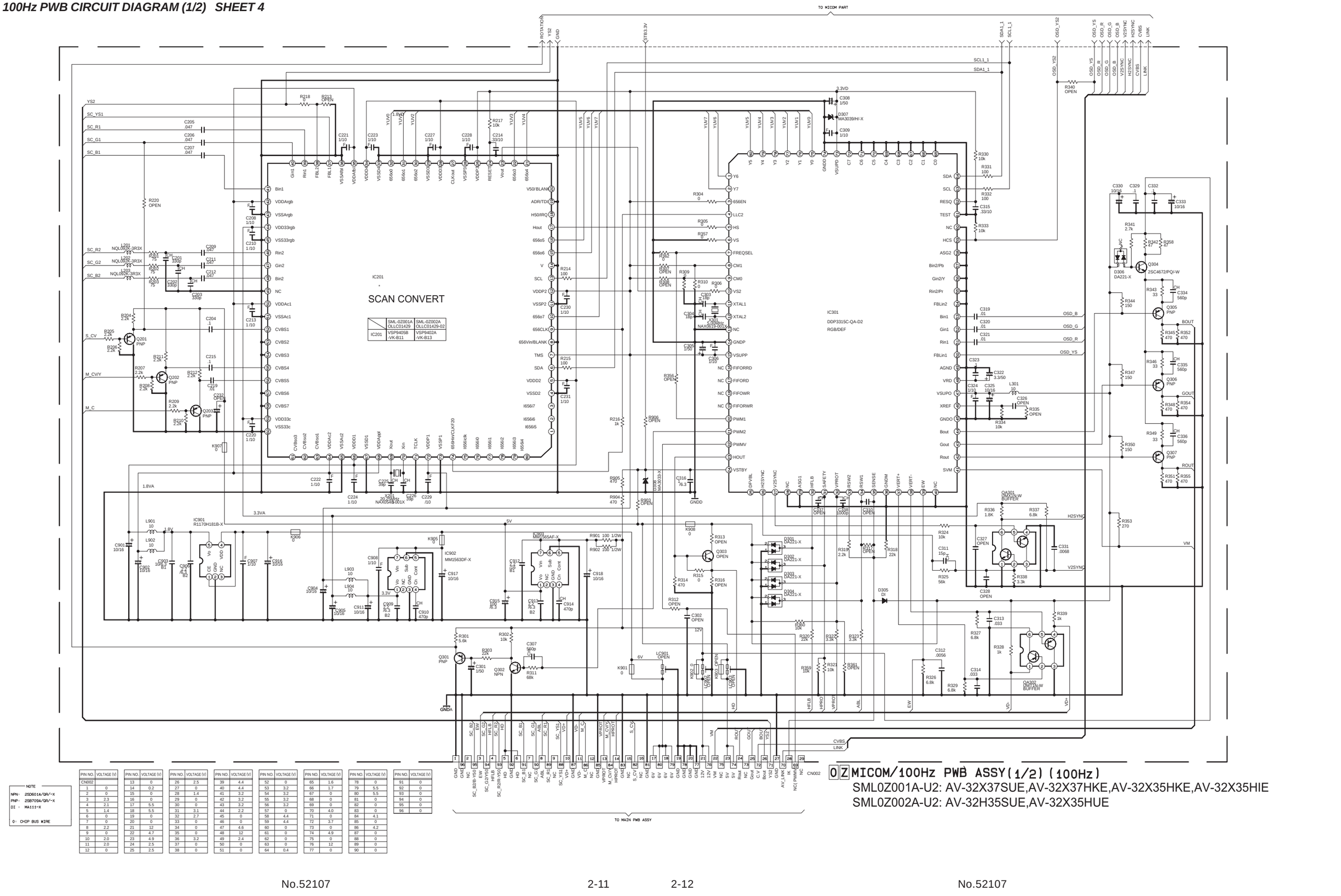
| | |
|---|---|
| IC401-1 | 0.5Vp-p |
| IC401-5 | 50Vp-p |
| IC401-6 | 28Vp-p |
| Q461-G | 12Vp-p |
| Q461-S | 3Vp-p |
| Q463-B | 12Vp-p |
| Q463-E | 12Vp-p |
| Q501-D | 90Vp-p |
| Q501-G | 3Vp-p |
| Q521-B | 2Vp-p |
| Q521-C | 1240Vp-p |

■ NOTE
NPN : KTC3199/YG/-T
PNP : KTA1267/YG/-T
DI : 1SS133-T2
BW : BUSWIRE
OPEN : NON MOUNT (OPTION)

| | |
|---|---|
| T551-2 | 250Vp-p |
| T551-4 | 38Vp-p |
| T551-6 | 150Vp-p |
| T551-7 | 140Vp-p |
| T551-8 | 40Vp-p |

AV-32X37SUE AV-32X37HKE
AV-32X35HKE AV-32X37HIE
AV-32H35SUE AV-32X35HUE

## *100Hz PWB CIRCUIT DIAGRAM (1/2) SHEET 4*




| PIN NO. | VOLTAGE (V) |
|---|---|
| CN002 | |
| 1 | 0 |
| 2 | 0 |
| 3 | 2.3 |
| 4 | 2.1 |
| 5 | 1.4 |
| 6 | 0 |
| 7 | 0 |
| 8 | 2.2 |
| 9 | 0 |
| 10 | 2.0 |
| 11 | 2.0 |
| 12 | 0 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 13 | 0 |
| 14 | 0.2 |
| 15 | 0 |
| 16 | 0 |
| 17 | 5.5 |
| 18 | 5.5 |
| 19 | 0 |
| 20 | 0 |
| 21 | 12 |
| 22 | 4.7 |
| 23 | 4.9 |
| 24 | 2.5 |
| 25 | 2.5 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 26 | 2.5 |
| 27 | 0 |
| 28 | 1.4 |
| 29 | 0 |
| 30 | 0 |
| 31 | 3.1 |
| 32 | 2.7 |
| 33 | 0 |
| 34 | 0 |
| 35 | 0 |
| 36 | 3.2 |
| 37 | 0 |
| 38 | 0 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 39 | 4.4 |
| 40 | 4.4 |
| 41 | 3.2 |
| 42 | 3.2 |
| 43 | 3.2 |
| 44 | 2.2 |
| 45 | 0 |
| 46 | 0 |
| 47 | 4.6 |
| 48 | 12 |
| 49 | 2.4 |
| 50 | 0 |
| 51 | 0 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 52 | 0 |
| 53 | 3.2 |
| 54 | 3.2 |
| 55 | 3.2 |
| 56 | 3.2 |
| 57 | 0 |
| 58 | 4.4 |
| 59 | 4.4 |
| 60 | 0 |
| 61 | 0 |
| 62 | 0 |
| 63 | 0 |
| 64 | 0.4 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 65 | 1.6 |
| 66 | 1.7 |
| 67 | 0 |
| 68 | 0 |
| 69 | 0 |
| 70 | 4.0 |
| 71 | 0 |
| 72 | 3.7 |
| 73 | 0 |
| 74 | 4.9 |
| 75 | 0 |
| 76 | 12 |
| 77 | 0 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 78 | 0 |
| 79 | 5.5 |
| 80 | 5.5 |
| 81 | 0 |
| 82 | 0 |
| 83 | 0 |
| 84 | 4.1 |
| 85 | 0 |
| 86 | 4.2 |
| 87 | 0 |
| 88 | 0 |
| 89 | 0 |
| 90 | 0 |

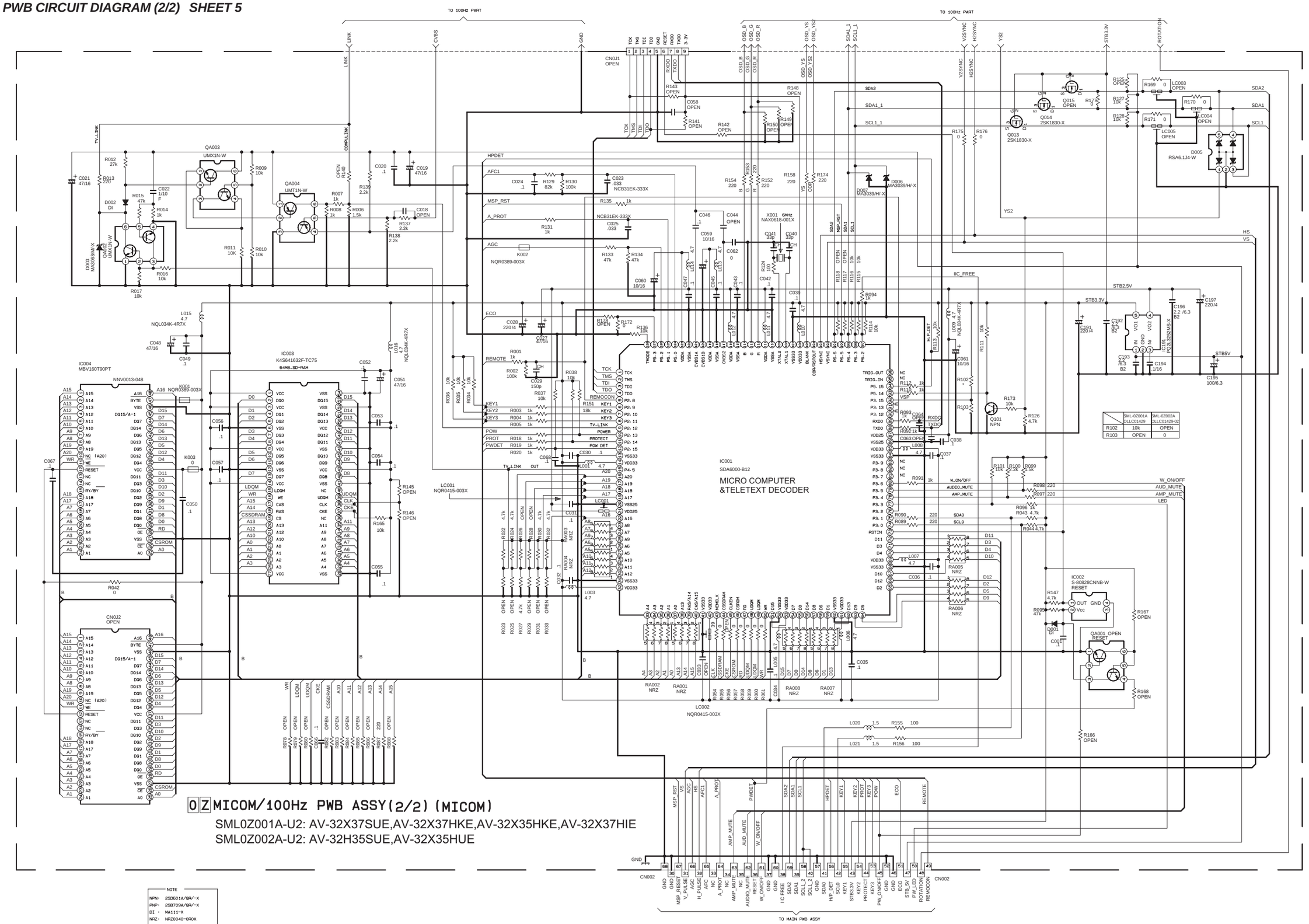
| PIN NO. | VOLTAGE (V) |
|---|---|
| 91 | 0 |
| 92 | 0 |
| 93 | 0 |
| 94 | 0 |
| 95 | 0 |
| 96 | 0 |

NOTE
NPN : 2SD601A/GR/-X
PNP : 2SB709A/GR/-X
DI : MA111-X
0 : CHIP BUS WIRE

**0Z MICOM/100Hz PWB ASSY(1/2)(100Hz)**
SML0Z001A-U2: AV-32X37SUE,AV-32X37HKE,AV-32X35HKE,AV-32X35HIE
SML0Z002A-U2: AV-32H35SUE,AV-32X35HUE

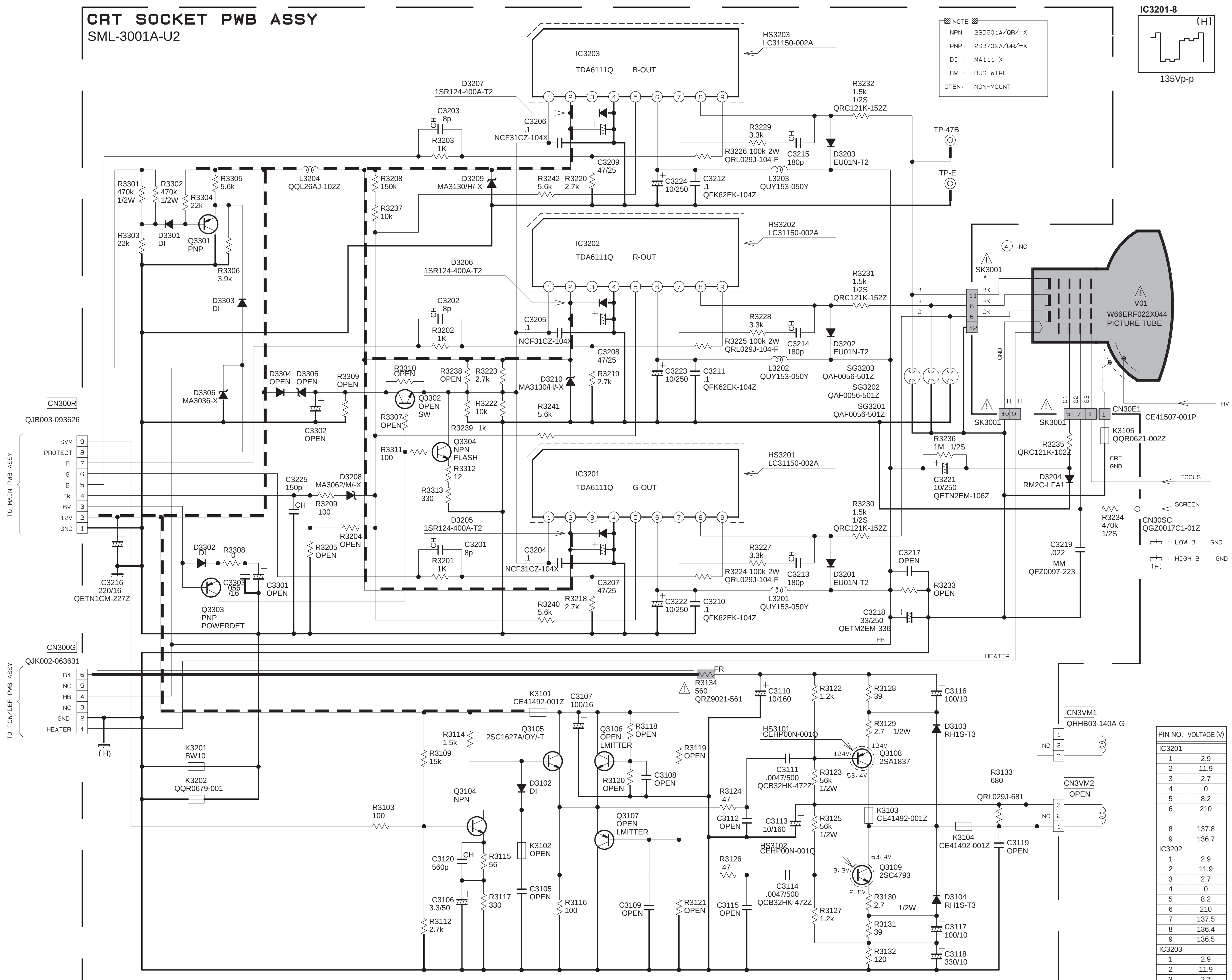
AV-32X37SUE AV-32X37HKE
AV-32X35HKE AV-32X37HIE
AV-32H35SUE AV-32X35HUE

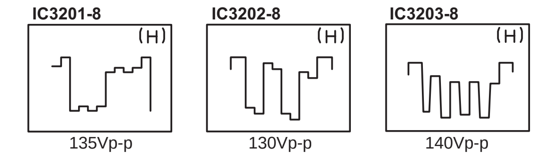
## *100Hz PWB CIRCUIT DIAGRAM (2/2) SHEET 5*




| | SML-0Z001A DLLC01429 | SML-0Z002A DLLC01429-02 |
|---|---|---|
| R102 | 10k | OPEN |
| R103 | OPEN | 0 |

## *CRT SOCKET PWB CIRCUIT DIAGRAM SHEET 6*


CRT SOCKET PWB ASSY
SML-3001A-U2
NOTE
NPN: 2SD601A/QR/-X
PNP: 2SB709A/QR/-X
DI : MA111-X
BW : BUS WIRE
OPEN: NON-MOUNT
IC3203
TDA6111Q B-OUT
HS3203
LC31150-002A
IC3202
TDA6111Q R-OUT
HS3202
LC31150-002A
IC3201
TDA6111Q G-OUT
HS3201
LC31150-002A
D3207
1SR124-400A-T2
D3206
1SR124-400A-T2
D3205
1SR124-400A-T2
C3203
8p
R3203
1K
C3202
8p
R3202
1K
C3201
8p
R3201
1K
C3206
.1
NCF31CZ-104X
C3205
.1
NCF31CZ-104X
C3204
.1
NCF31CZ-104X
C3209
47/25
C3208
47/25
C3207
47/25
R3232
1.5k
1/2S
QRC121K-152Z
R3231
1.5k
1/2S
QRC121K-152Z
R3230
1.5k
1/2S
QRC121K-152Z
R3229
3.3k
R3228
3.3k
R3227
3.3k
R3226 100k 2W
QRL029J-104-F
R3225 100k 2W
QRL029J-104-F
R3224 100k 2W
QRL029J-104-F
C3215
180p
C3214
180p
C3213
180p
D3203
EU01N-T2
D3202
EU01N-T2
D3201
EU01N-T2
C3224
10/250
C3223
10/250
C3222
10/250
C3212
.1
QFK62EK-104Z
C3211
.1
QFK62EK-104Z
C3210
.1
QFK62EK-104Z
L3203
QUY153-050Y
L3202
QUY153-050Y
L3201
QUY153-050Y
TP-47B
TP-E
R3242
5.6k
R3220
2.7k
R3241
5.6k
R3219
2.7k
R3240
5.6k
R3218
2.7k
D3209
MA3130/H/-X
D3210
MA3130/H/-X
L3204
QQL26AJ-102Z
R3208
150k
R3237
10k
R3301
470k
1/2W
R3302
470k
1/2W
R3305
5.6k
R3304
22k
R3303
22k
D3301
DI
Q3301
PNP
R3306
3.9k
D3303
DI
D3306
MA3036-X
D3304
OPEN
D3305
OPEN
R3309
OPEN
C3302
OPEN
R3310
OPEN
Q3302
OPEN
SW
R3307
OPEN
R3238
OPEN
R3223
2.7k
R3222
10k
R3239 1k
R3311
100
Q3304
NPN
FLASH
R3312
12
R3313
330
C3225
150p
D3208
MA3062/M/-X
R3209
100
R3204
OPEN
R3205
OPEN
D3302
DI
R3308
0
C3303
.056
/16
C3301
OPEN
Q3303
PNP
POWERDET
C3216
220/16
QETN1CM-227Z
CN300R
QJB003-093626
SVM
PROTECT
R
G
B
Ik
6V
12V
GND
TO MAIN PWB ASSY
CN300G
QJK002-063631
B1
NC
HB
NC
GND
HEATER
TO POW/DEF PWB ASSY
(H)
K3201
BW10
K3202
QQR0679-001
SK3001
V01
W66ERF022X044
PICTURE TUBE
BK
RK
GK
④ :NC
SG3203
QAF0056-501Z
SG3202
QAF0056-501Z
SG3201
QAF0056-501Z
R3236
1M 1/2S
C3221
10/250
QETN2EM-106Z
R3235
QRC121K-102Z
D3204
RM2C-LFA1
CN30E1
CE41507-001P
K3105
QQR0621-002Z
CRT
GND
HV
FOCUS
SCREEN
R3234
470k
1/2S
CN30SC
QGZ0017C1-01Z
C3219
.022
MM
QFZ0097-223
: LOW B GND
: HIGH B GND
C3217
OPEN
R3233
OPEN
C3218
33/250
QETM2EM-336
HB
HEATER
FR
R3134
560
QRZ9021-561
K3101
CE41492-001Z
C3107
100/16
R3114
1.5k
Q3105
2SC1627A/OY/-T
R3109
15k
D3102
DI
Q3104
NPN
R3103
100
C3120
560p
R3115
56
C3106
3.3/50
R3117
330
R3112
2.7k
K3102
OPEN
C3105
OPEN
Q3106
OPEN
LMITTER
R3118
OPEN
R3120
OPEN
C3108
OPEN
R3119
OPEN
R3116
100
Q3107
OPEN
LMITTER
C3109
OPEN
R3121
OPEN
C3110
10/160
R3124
47
C3112
OPEN
C3113
10/160
R3126
47
C3115
OPEN
HS3101
CEHP00N-001Q
C3111
.0047/500
QCB32HK-472Z
HS3102
CEHP00N-001Q
C3114
.0047/500
QCB32HK-472Z
R3122
1.2k
R3123
56k
1/2W
R3125
56k
1/2W
R3127
1.2k
R3128
39
R3129
2.7 1/2W
Q3108
2SA1837
124V
53.4V
Q3109
2SC4793
63.4V
3.3V
2.8V
R3130
2.7 1/2W
R3131
39
R3132
120
K3103
CE41492-001Z
C3116
100/10
D3103
RH1S-T3
D3104
RH1S-T3
C3117
100/10
C3118
330/10
R3133
680
QRL029J-681
K3104
CE41492-001Z
C3119
OPEN
CN3VM1
QHHB03-140A-G
CN3VM2
OPEN
NC




| | SML - 3001A |
|---|---|
| SK3001 | QNZ0574 -001 |

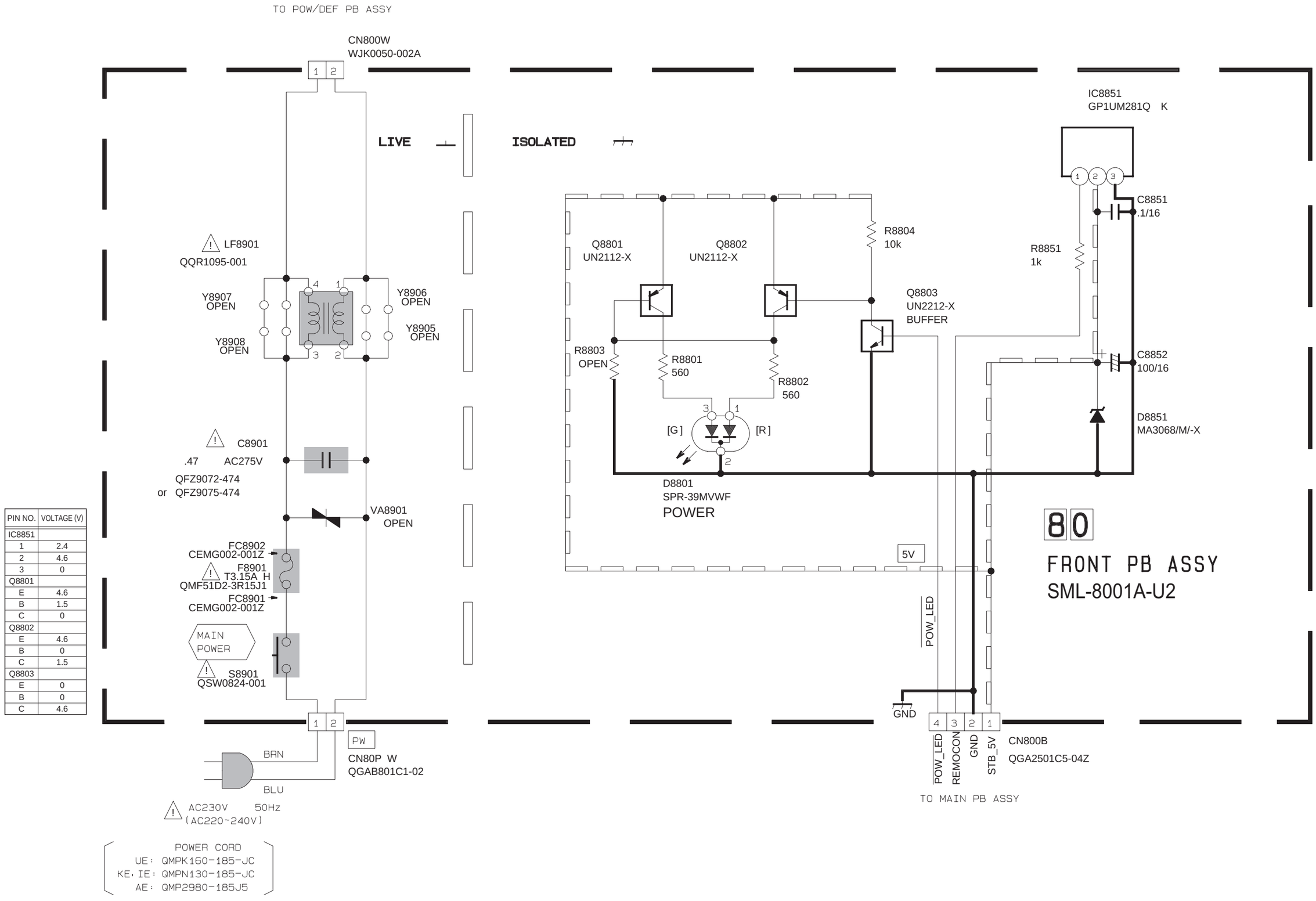
| PIN NO. | VOLTAGE (V) |
|---|---|
| IC3201 | |
| 1 | 2.9 |
| 2 | 11.9 |
| 3 | 2.7 |
| 4 | 0 |
| 5 | 8.2 |
| 6 | 210 |
| | |
| 8 | 137.8 |
| 9 | 136.7 |
| IC3202 | |
| 1 | 2.9 |
| 2 | 11.9 |
| 3 | 2.7 |
| 4 | 0 |
| 5 | 8.2 |
| 6 | 210 |
| 7 | 137.5 |
| 8 | 136.4 |
| 9 | 136.5 |
| IC3203 | |
| 1 | 2.9 |
| 2 | 11.9 |
| 3 | 2.7 |
| 4 | 0 |
| 5 | 8.2 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| 6 | 210 |
| 7 | 135.2 |
| 8 | 135 |
| 9 | 134.5 |
| Q3104 | |
| E | 1.1 |
| B | 1.7 |
| C | 6.2 |
| Q3105 | |
| E | 6.2 |
| B | 6.8 |
| C | 12.0 |
| Q3108 | |
| E | 127.6 |
| B | 127.1 |
| C | 64.2 |
| Q3109 | |
| E | 3.4 |
| B | 3.8 |
| C | 64.2 |
| Q3301 | |
| E | 4.8 |
| B | 12.0 |
| C | 0 |
| Q3303 | |
| E | 11.8 |

| PIN NO. | VOLTAGE (V) |
|---|---|
| B | 12.0 |
| C | -1.0 |
| Q3304 | |
| E | 0 |
| B | -0.8 |
| C | 2.9 |

AV-32X37SUE AV-32X37HKE
AV-32X35HKE AV-32X37HIE
AV-32H35SUE AV-32X35HUE

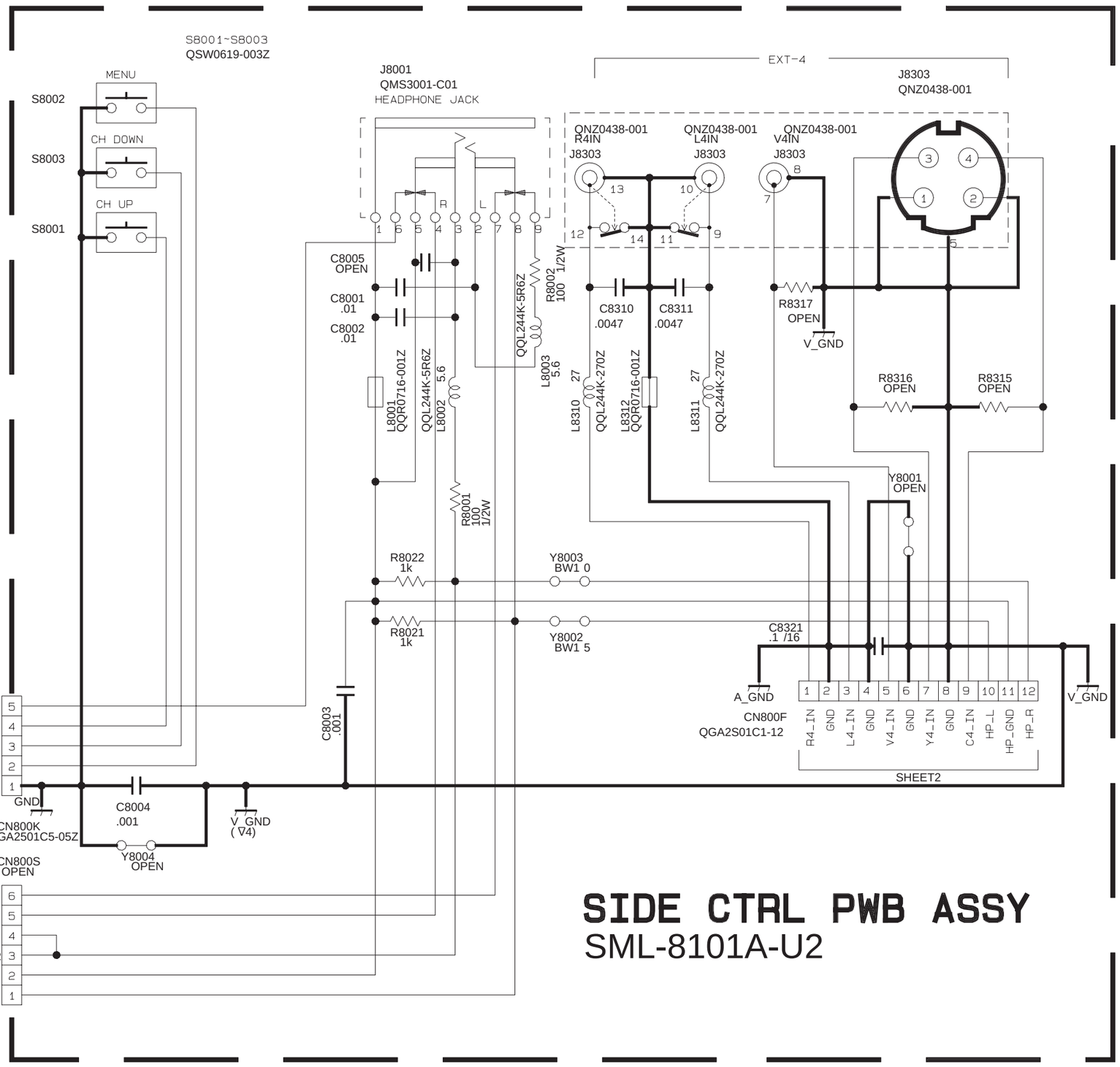
## *FRONT CONTROL PWB CIRCUIT DIAGRAM SHEET 7*




| PIN NO. | VOLTAGE (V) |
|---|---|
| IC8851 | |
| 1 | 2.4 |
| 2 | 4.6 |
| 3 | 0 |
| Q8801 | |
| E | 4.6 |
| B | 1.5 |
| C | 0 |
| Q8802 | |
| E | 4.6 |
| B | 0 |
| C | 1.5 |
| Q8803 | |
| E | 0 |
| B | 0 |
| C | 4.6 |

AV-32X37SUE AV-32X37HKE
AV-32X35HKE AV-32X37HIE
AV-32H35SUE AV-32X35HUE

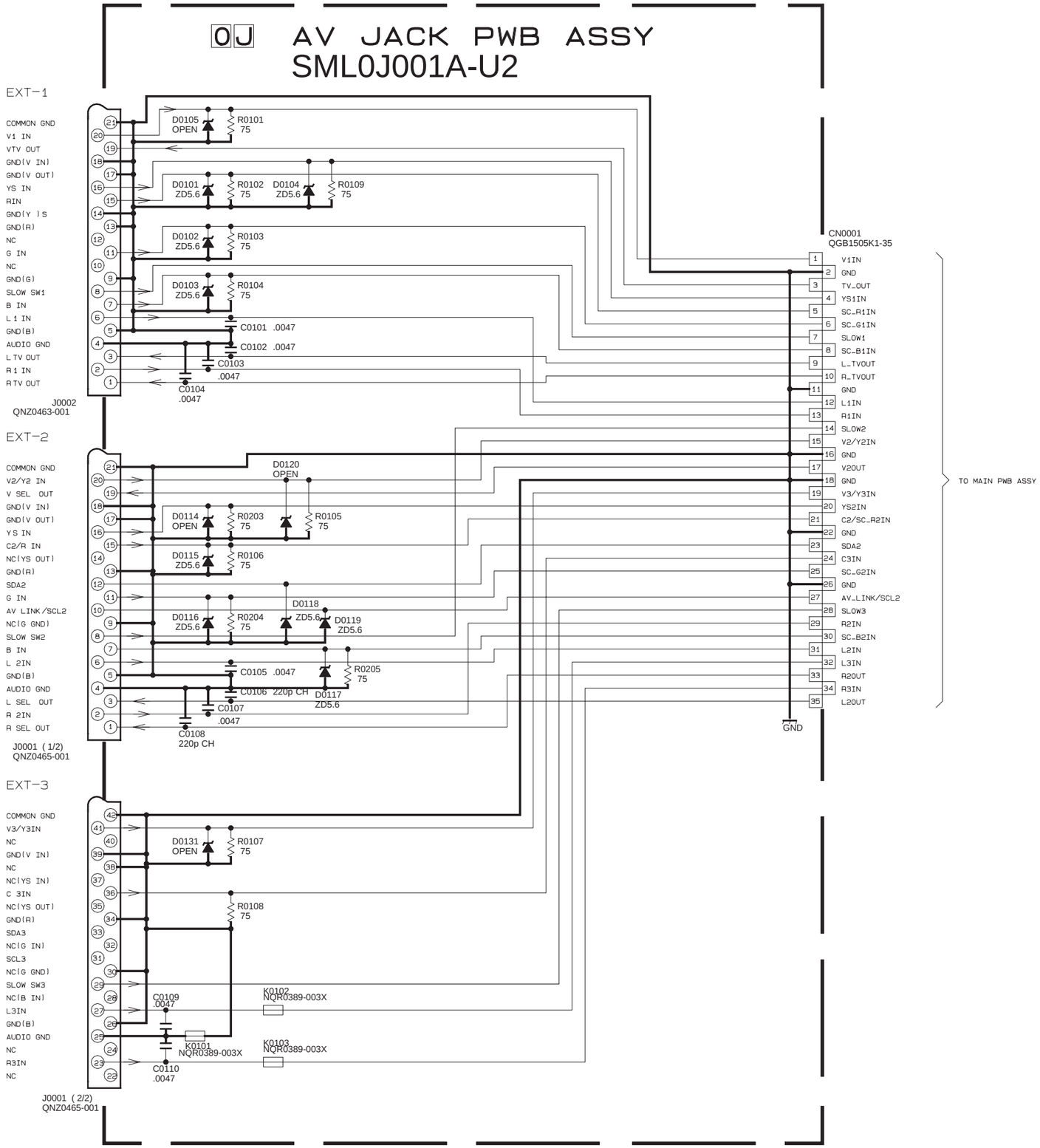
## *SIDE CONTROL PWB CIRCUIT DIAGRAM SHEET 8*




NPN: 2SD601A/QR/-X
PNP: 2SB709A/QR/-X
DI : MA111-X
DTC: DTC124EKA-X
DTA: DTA124EKA-X
0: NRSA63J-0R0X
BW: 5mm IM-BW
BW10: 10mm IM-BW
BW15: 15mm IM-BW

AV-32X37SUE AV-32X37HKE
AV-32X35HKE AV-32X37HIE
AV-32H35SUE AV-32X35HUE

***AV JACK PWB CIRCUIT DIAGRAM SHEET 9***



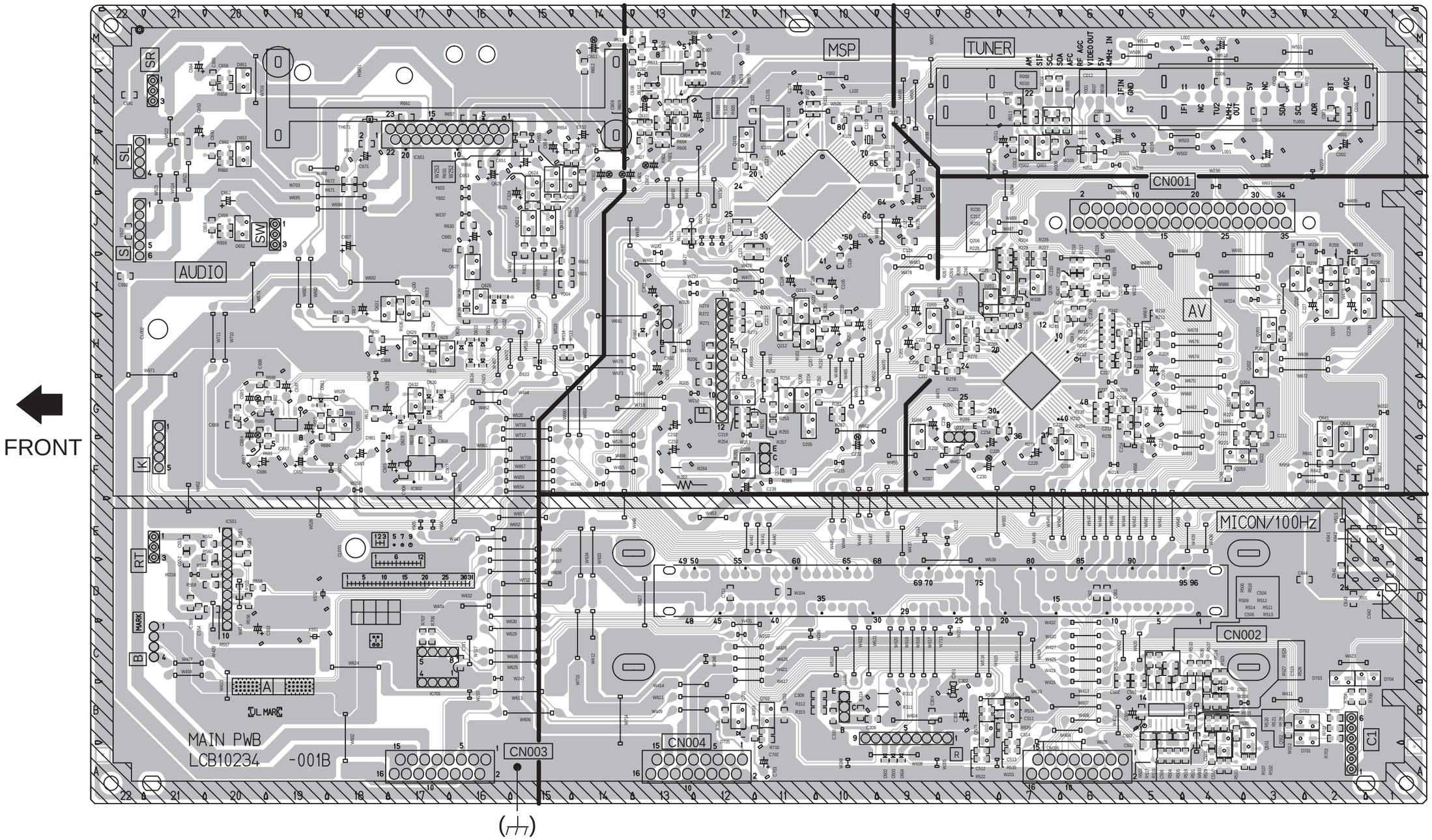

NOTE

| | |
|---|---|
| OPEN | :OPTION(NON MOUNT) |
| BW | :5mm IM-BW(QUY153-050Y) |
| O | :NRSA63J-0R0X |
| ZD5.6 | : MA3056/M/-X |

AV-32X37SUE AV-32X37HKE
AV-32X35HKE AV-32X37HIE
AV-32H35SUE AV-32X35HUE

# PATTERN DIAGRAMS

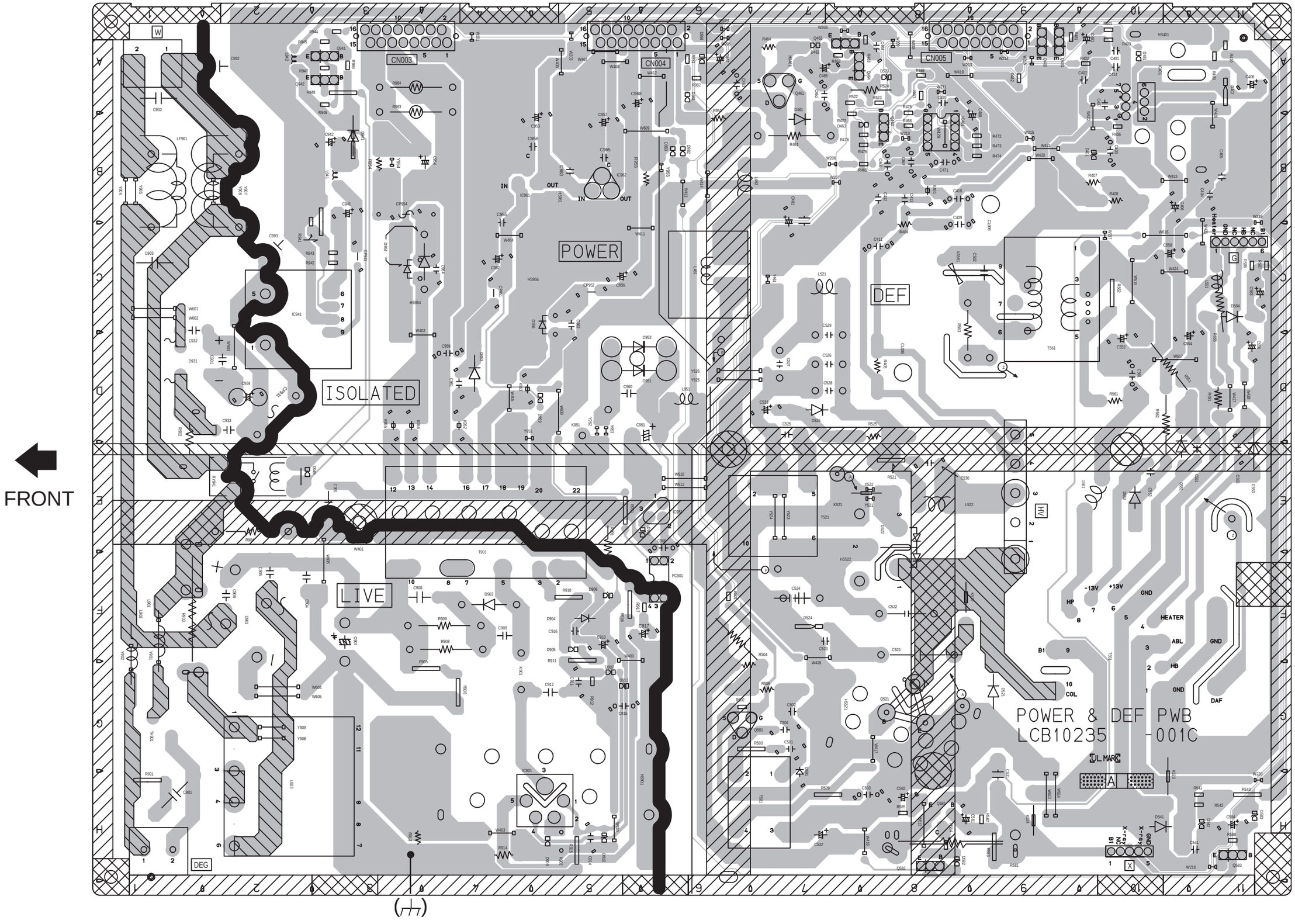
## *MAIN PWB PATTERN*




FRONT

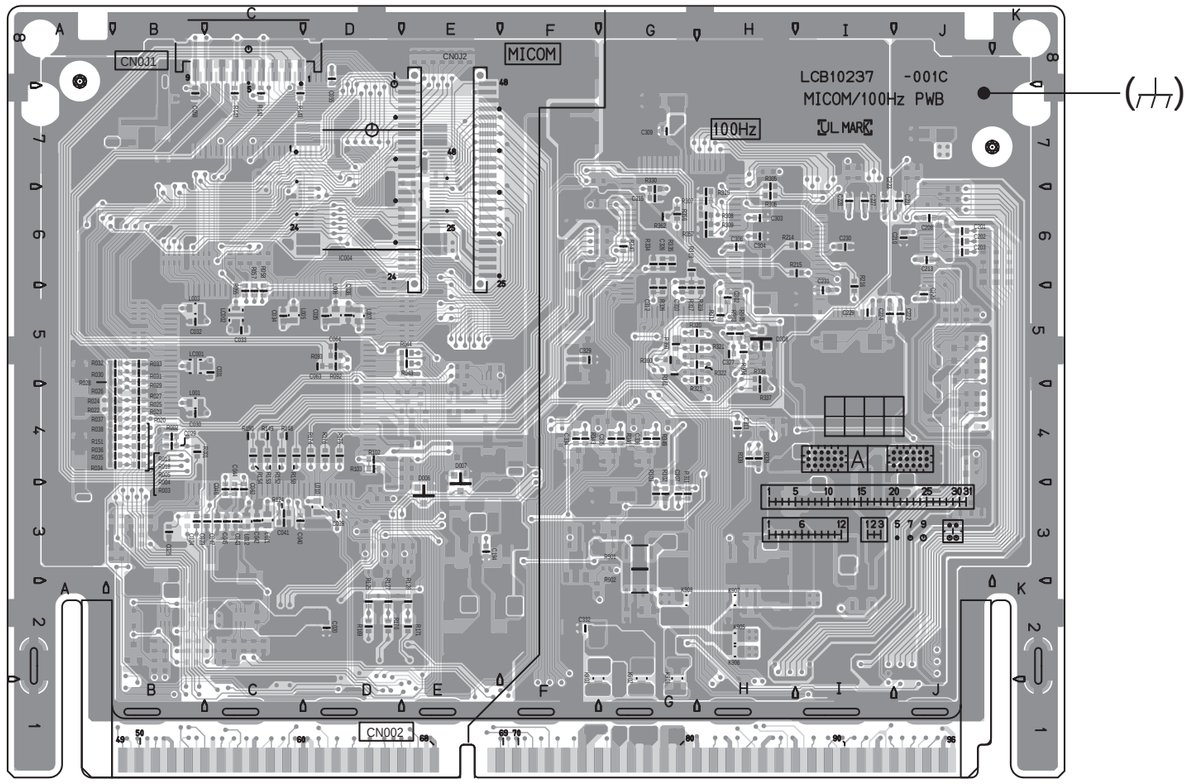
AV-32X37SUE AV-32X37HKE
AV-32X35HKE AV-32X37HIE
AV-32H35SUE AV-32X35HUE

***POWER & DEF PWB PATTERN***



***100Hz PWB PATTERN [SOLDER SIDE]***

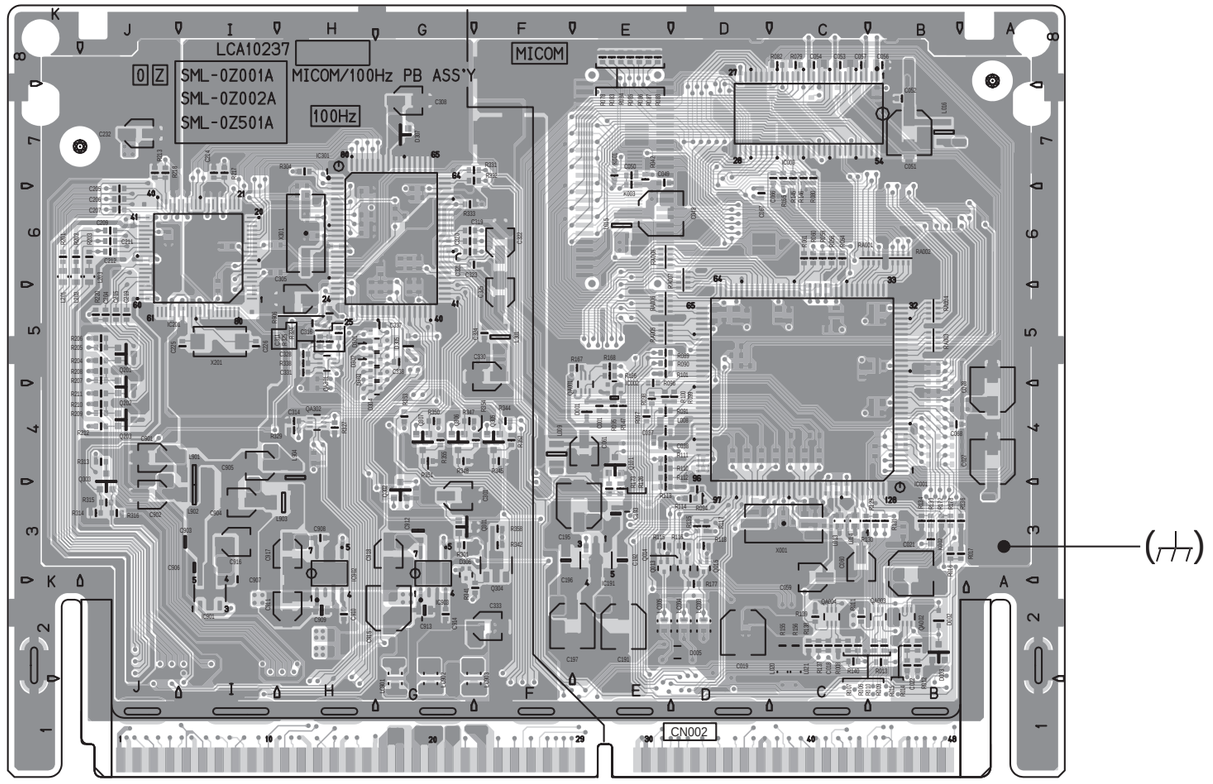
TOP



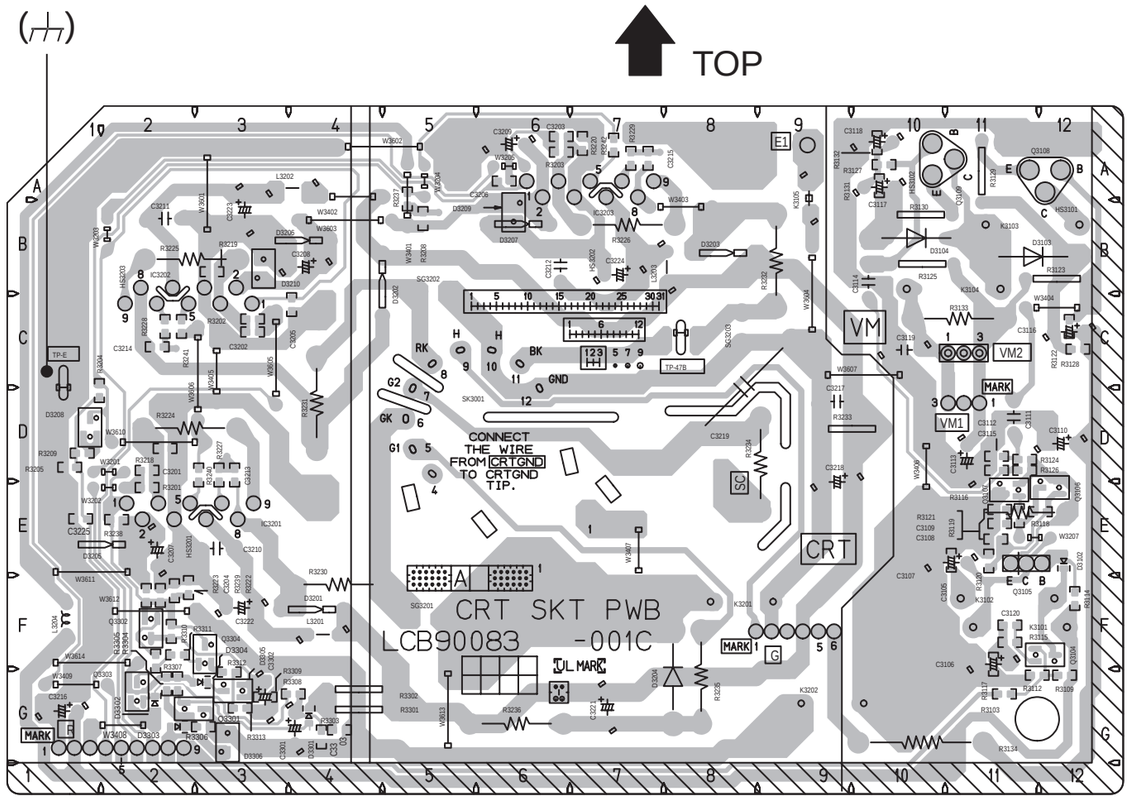

AV-32X37SUE AV-32X37HKE
AV-32X35HKE AV-32X37HIE
AV-32H35SUE AV-32X35HUE

***100Hz PWB PATTERN [PARTS SIDE]***

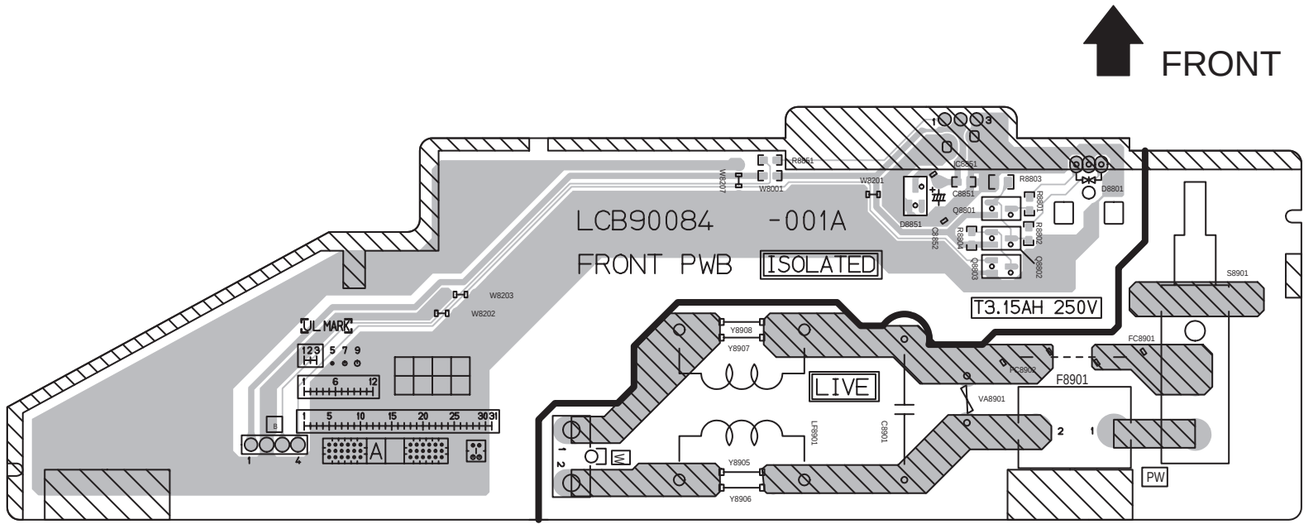
TOP



### *CRT SOCKET PWB PATTERN*



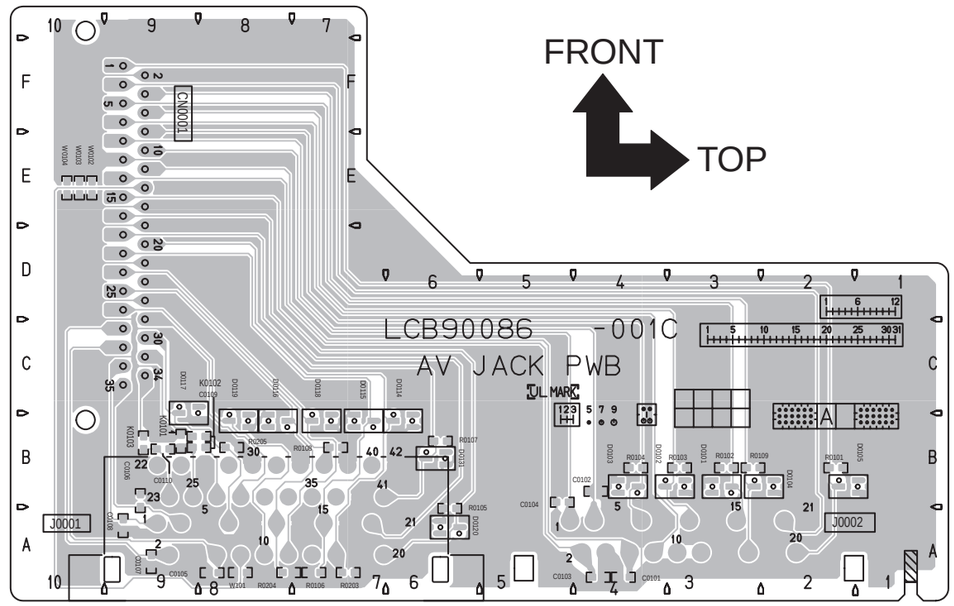

### *FRONT CONTROL PWB PATTERN*



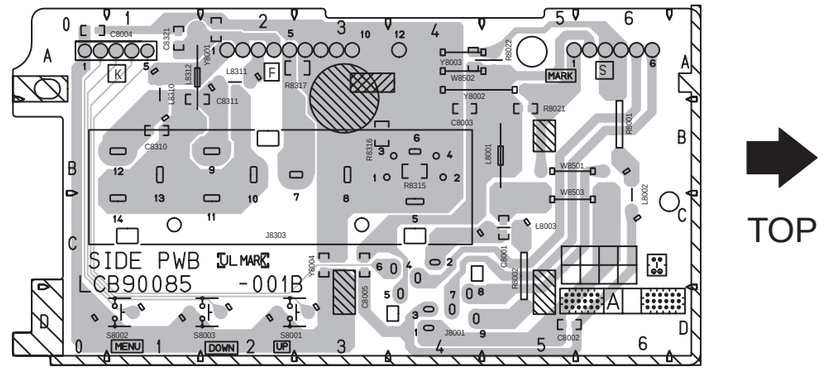



AV-32X37SUE AV-32X37HKE
AV-32X35HKE AV-32X37HIE
AV-32H35SUE AV-32X35HUE

### *AV JACK PWB PATTERN*




### *SIDE CONTROL PWB PATTERN*



AV-32X37SUE AV-32X37HKE
AV-32X37HIE AV-32X35HUE
AV-32X35HKE AV-32H35SUE

JVC

**VICTOR COMPANY OF JAPAN, LIMITED**
AV & MULTIMEDIA COMPANY DISPLAY CATEGORY 12, 3-chome, Moriya-cho, kanagawa-ku, Yokohama, kanagawa-prefecture, 221-8528, Japan

(No.52107)

Printed in Japan
200304WPC